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JOHN A. BRUCE & CO. LIMITED. HAMILTON
TRADE MARK
SEEDS

1 Asta Ohn Spencer
2 Primrose Spencer
3 Aurora Spencer
4 King Edward Spencer

BRUCE'S SEEDS

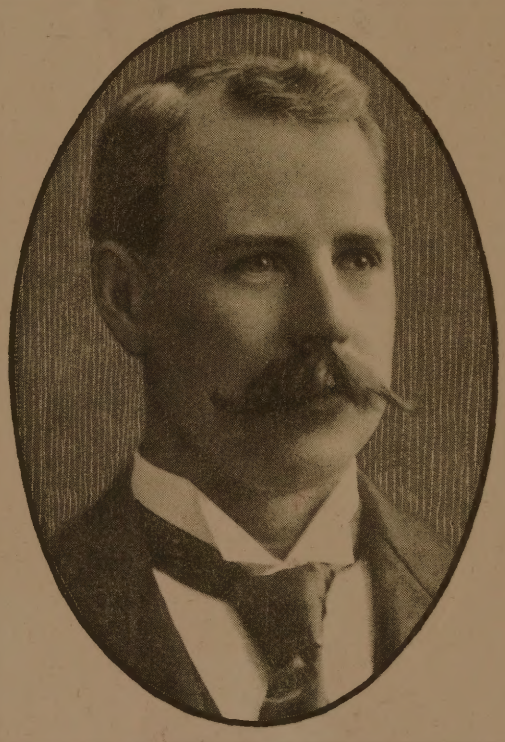
FOR ~~1911~~ 1912

The Pioneer Seed House of Canada

1850—ESTABLISHED SIXTY-TWO YEARS—1912

Our first warehouse consisted of 3 stories each 40 ft. by 18 ft; in 1855 we moved, and our warehouse then consisted of 4 stories 100 ft. by 14 ft. In 1857 we again moved, and our premises contained 4 stories 100 ft. by 21 ft. In 1874 we built a fine warehouse, where we had 5 flats 125 ft. by 29 ft, but fire destroyed it in 1893, when the present building shown by engraving was erected. Here we have 7 flats, each 125 ft. by 29 ft. Our increasing trade has compelled us to add to our accommodation the past year the 2 upper stories of the new building directly in rear of that shown here, each flat 75 ft. by 90 ft. This gives us increased facility for promptly executing our customers' valued orders and room to carry one of the most varied and largest stocks in the seed trade in America.

OFFICE AND WAREHOUSE



THE LATE THOMPSON LAWSON

We regret to announce the death of our Mr. Lawson, which occurred on September 25th, 1911. After serving an apprenticeship of some years in the seed trade in Carlisle, Eng., he came to us in 1888, and was made a Director in the Company in 1909. He was well known, and had a splendid connection with the wholesale trade in Ontario, having represented us there for 20 years, and had also made a trip through the Northwest and British Columbia and also through the Maritime Provinces. He was particularly well known and highly thought of by our many patrons in our home district, where his thorough knowledge of all horticultural and agricultural subjects was much sought after. His knowledge of the trade, his experience and genial disposition made him a favorite with all.

DISCOUNTS ON SEEDS IN PACKETS ONLY

Those who remit	$1 00	for Seeds in Packets may select to the value of						$1 25
"	"	2 00	"	"	"	"	"	2 50
"	"	3 00	"	"	"	"	"	3 75
"	"	4 00	"	"	"	"	"	5 00
"	"	5 00	"	"	"	"	"	6 25

These Discounts apply to Vegetable and Flower Seeds in Packets only, and only when remittances accompany order. Seeds offered in Special Collections, also Novelties, are not subject to discounts.

Seeds are frequently offered in packets at lower prices than our Catalogue quotations; this is done by reducing the size of the packet. Where seeds are not sold by weight we always give full size pkt.

Novelties

See pages 2, 3, 4, 5, 6 for Vegetable and Farm Seed Novelties, and pages 42, 43, 44, 45 for Flower Seed Novelties. Plants, a fine collection, pages 80 to 90. Bruce's Big Four Field Root Specialties and Seed Collections, page 113.

ESTABLISHED 62 YEARS.

ORDER SHEET.

See Page 1 of Catalogue for full Instructions to Purchasers

JOHN A. BRUCE & CO., Limited, HAMILTON, ONT.

FORWARD TO

Name .....

Post Office .....

Express Office .....

Province .....

Please write NAME and ADDRESS distinctly and in full.

AMOUNT ENCLOSED:		FOR USE J. A. B. & CO.	
P. O. Order, or Postal Note	$	Order No.	
Express Order	$	No. of Pkgs.	
Draft, -	$	How Sent	
Cash, - -	$	Date Sent	
Stamps, -	$	Postage	
Total,	$	Received $	
Date,	1912	Date,	1912

Conditions of Sale—John A. Bruce & Co. take every precaution to supply reliable Seeds, but give no warranty, express or implied, as to description, quality, growth, productiveness, or any other matter of any Seeds they send out, and they wish it to be distinctly understood that they will not be in any way liable for any loss arising from any failure thereof, or responsible, in any way for the crop. All goods bought from them must be accepted on these conditions.

All Seeds forwarded by mail are sent free of charge at Catalogue prices, excepting **Beans, Corn, Mushroom Spawn, Onion Sets, Potatoes, Peas, Sugar Beet, Field Carrot, Mangel, Rape, Field Turnip, Grains, Clover, Grass, Bird, Tree, Hedge and Fruit Seeds**; when such are to be mailed, postage must be added at the rate of **5 cents** per pound or pint, within the Dominion of Canada, and **16 cents** per pound or pint to Newfoundland and the United States. Plants going by mail require 5c postage for any quantities under 5 plants, or 10c in lots of 10 to Canadian points; treble these rates to United States and Newfoundland. With all orders under 25c enclose 2c extra for postage.

Bushel	Peck	Quart	Pint	Pound	Ounce	Packet	NAME OF SEEDS WANTED	Price

☞ Make all Money Orders, Drafts, Etc., payable to John A. Bruce Co., Limited. Use Ink when writing out Order.

Cheques not accepted unless payable at par, and marked by Bank.

Bushel	Peck	Quart	Pint	Pound	Ounce	Packet	NAME OF SEEDS WANTED	Price

Every Customer ordering goods from us to value of 25c and over, who will send the names of neighbors or friends having gardens and who have not been using our Seeds, will receive a Packet of some useful Vegetable or Flower Seed for their kindness. This offer good only till 15th April.

BUSINESS ESTABLISHED 1850. Office and Warehouse, Cor. King and Macnab Streets.

JOHN A. BRUCE & CO., LIMITED

EXPORTERS OF CLOVER AND GRASS SEEDS, SEED GROWERS AND MERCHANTS.

HAMILTON, CANADA, Jan. 1st, 1912

IN presenting the SIXTY-FIRST ANNUAL EDITION OF OUR ILLUSTRATED CATALOGUE OF SEEDS FOR THE FARM, VEGETABLE AND FLOWER GARDEN, GREENHOUSE AND FOREST, of Garden Implements and Agricultural and Horticultural Sundries, we again appeal with confidence to those who have patronized us soliberally in the past for a continuance of their favors, which have come to us with such gratifying regularity since the establishment of this business sixty-two years ago, and we also avail ourselves of this opportunity to solicit from others whom we have not hitherto had the privilege of serving, a share of their patronage.

Our catalogue contains nearly everything of value to those engaged in Agricultural and Horticultural pursuits. New introductions of Flowers, Vegetables and Field Roots are annually offered to the public, often with descriptive matter differing widely from the reality, and usually outlined by illustrations of an extravagant character. We have endeavored in our publications, as far as possible, to protect the vegetable kingdom from such caricatures. We invariably make ourselves acquainted with the value of what are termed novelties before offering them, and when this cannot be done we give the raiser's description only; we make this reference in the interest of those who have not been using our seeds, and who may infer from the modest illustrations in our Catalogue that the product must necessarily be of the same dimensions. One trial will remove any misapprehension of this nature, and prove that in quality our stock of Seeds for the Farm, Garden and Greenhouse are at least equal to anything offered, no matter from what source they come.

In North America the unusually hot and dry summer has curtailed the crops of Beans, Cabbage, Sweet Corn, Melons and Peas, also Field Beans, Field Corns, Barley, Field Peas, Oats, Potatoes, Clovers and Grass Seeds. In Europe the most unfavorable season for seed crops in many years has given short crops of Peas, Cabbage, Celery, Onion, Parsnip, Parsley, Radish, Spinage, Sugar Beets, Garden and Field Beets, and Carrots, Mangels and Garden and Swede Turnips, and this, combined with short crops of the above for 2 or 3 seasons, with an increasing demand, has brought prices to the highest point in many years on some lines. However, in anticipation of an increased demand, we had arranged with out growers for larger supplies, and where prices have been advanced it has been absolutely necessary, and they have been made as reasonable as possible under existing conditions. There is no doubt before the end of the season some varieties of Garden Beet, Garden Carrot, Celery, Peas, Sugar Beet, Field Carrot and Mangels will not be obtainable anywhere, so we cannot guarantee to fill orders not received in good time on these special sorts, but will have other varieties which will answer the purpose. This is the general condition of the seed trade this year. Where our own growers crops have fallen short of our requirements we have only bought from the most reliable sources to make up our requirements, and as we have a splendid reputation for reliability to protect, our customers can rest assured that we have taken no chances, and as usual they will receive the very highest grade of seeds obtainable. We can only say: ORDER EARLY.

SUGGESTIONS TO CUSTOMERS.

Owing to the extended nature of our business connections and the heavy expenses incurred in collecting accounts, we conduct our business on Cash Principles; therefore, orders to receive prompt attention must be accompanied by a remittance of the amount. Remittances can be made in current Bank Bills, Postoffice Orders, Postal Notes, Express Orders, or by Draft, and for amounts under one Dollar, in Postage Stamps. Postoffice Orders, Postal Notes and Express Orders are preferable to all others, as there is no possibility of loss, but when these cannot be obtained, Registered Letters are most certain to reach their destination. Do not send checks unless marked by Bank and made payable at par here. As the seed season continues only for a few months in the year, there is, of course, a great pressure of business when sowing commences. Except in cases of extreme urgency all orders will be executed in rotation as received. We will, therefore, feel greatly obliged if our Customers will kindly forward their orders as soon as possible after the receipt of this Catalogue, and please remember to give your Name, Postoffice Address and Province, in full. We are frequently in receipt of orders deficient in some of these important requisites, often causing a delay of weeks in their execution, greatly to the inconvenience of the sender, as well as our own.

Address all Correspondence and make all Money Orders payable to JOHN A. BRUCE & CO., Limited.

EXPRESS AND FREIGHT RATES AND MAILING CONDITIONS.

For the information and convenience of our customers we give below the present rates from Hamilton to the various points named. The rates between any two points will be proportioned according to distance. As these rates are subject to change we cannot guarantee them.

FREIGHT RATES FROM HAMILTON PER 100 LBS

	On Barley, Oats, Buckwheat, Peas and Wheat.		*On Clover, Timothy, Hungarian, Millet, Red Top, etc.*		**Express Rates from Hamilton Per 100 lbs.**
	All Rail.	Lake and Rail.	All Rail.	Lake and Rail.	
Port Arthur, Ont.	$0 54	$0 35	$0 72	$0 42	$2 40
Winnipeg, Man.	0 88	0 80	1 14	1 00	3 40
Brandon, Man.	1 03	0 93	1 34	1 20	4 00
Regina, Sask.	1 30	1 20	1 71	1 57	4 80
Calgary, Edmonton, Alta.	1 64	1 54	2 16	2 02	6 40
Prince Albert, Sask.	1 44	1 34	1 90	1 75	6 60
Vancouver, Victoria, B. C.	1 65	1 63	1 65	1 63	9 00
St. John, N. B.	0 43		0 52		2 00
Charlottetown, P. E. I.	0 49		0 54		2 60
Halifax, N. S.	0 45		0 53		2 40

The lowest freight charge is for quantities of 200 lbs. For any quantity under 200 lbs. the charge is the same as for 200 lbs.

Express rates are special rates on Seeds of any description. 25 lbs. and over at 100 lb. rate; less than 25 lbs. higher, according to weight.

Our postal arrangements enable us to forward Seeds, Bulbs and Plants to any Post Office in the Province of Ontario, Quebec, New Brunswick, Nova Scotia, Prince Edward Island, Manitoba, Alberta, Saskatchewan and British Columbia, at the rate of 5c per pound, and our careful system of packing will carry them with safety to the most distant point, giving purchasers in the remotest districts the opportunity of procuring reliable seeds at reasonable prices when far removed from source of supply

Sincerely thanking you for past favors, and soliciting a continuance of the same, with your kind recommendations,

We are your obedient servants,

W. H. Bruce, President.
E. W. Bruce, Sec.-Treas.

JOHN A. BRUCE & CO., LIMITED

NOVELTIES AND SPECIALTIES IN VEGETABLES

Descriptions given are those of the growers.

Copenhagen Market.

New Early Cabbage, Copenhagen Market

This new variety is undoubtedly without a rival as the finest large round-headed early Cabbage in cultivation. The type is thoroughly fixed, the heads maturing all at the same time—(this being a great consideration to market gardeners, entailing less labor in harvesting the crop and allows the ground to be cleared at the first cutting). The heads average about ten pounds each in weight, are very solid, with small core and of fine quality. It matures as early as Charleston Wakefield, and will give a much heavier yield per acre than that popular variety. The plant is short-stemmed, the heads being produced almost on the ground level. The leaves are light green, rather small, saucer-shaped, and always tightly folded. The plants, therefore, can be set closer than is usual with varieties of similar size. Pkt. 10c, ¼ oz. 30c, oz. $1.00, 2 oz. $1.75, 4 oz. $3.00.

Red Cabbage, "Delicacy"

This is the best Red Cabbage on the market. The heads are handsome shape and solid, and weigh well, and in quality and appearance it is head and shoulders over all others. It is a medium early variety. Tested by us last year with the highest honors. Pkt. 10c, oz. 60c, 2 oz. $1.00, ¼ lb. $1.75.

Red Cabbage—Delicacy.

Vegetable Marrow, "First of All"

A long white running variety, which is the product of a cross between the White Bush and the Long White. It is extremely early, coming in before any other long variety, very prolific, bearing its fruit immediately it begins to run. When in its very young state, before it throws out its lateral growths, it is to all intents and purposes a bush variety, fruiting in the small dip or hole in which it is planted. It is most prolific, fruiting at every joint of its lateral runners. Pkt. 10c, ½ oz. 25c, oz. 40c.

Extra Early Lettuce—Wayahead.

New Extra Early Lettuce, "Wayahead"

Wayahead shows a remarkable combination of earliness, firm heading character, handsome appearance and fine quality. Both in cold frames early in the spring and in the open ground—in spring, summer and early fall months, it has proved to be not only the earliest and surest heading of any early Lettuce we have ever grown, but also of the very finest quality at all seasons. Satisfied planters are most enthusiastic in praise of Wayahead Lettuce. Wayahead is not only earlier than May King, Nansen, and other fine earfly varieties, but the heads are also larger in size and more tightly folded. The outer leaves are a light green, with the entire head finely blanched to a rich buttery-yellow tint. Wayahead stands a longer time before running to seed than any other early head variety. Pkt. 5c, oz. 25c, 2 oz. 45c, ¼ lb. 80c, lb. $3.00.

ORDER SHEET FOR PLANTS ONLY—See Pages 80 to 90

JOHN A. BRUCE & CO. LIMITED, HAMILTON, ONT.

Forward to

Name .....

Post Office .....

Express Office .....

Province ..... Date 1912

CONDITIONS OF SALE—J. A. BRUCE & Co. take every precaution to supply reliable Plants, true to name, but give no warranty, express or implied, as to quality, growth, productiveness or any other matter of any plants they supply and will not be in any way responsible for the out-turn.

Plants going by mail require 5c postage for any quantity under 5 plants or 10c in lots of from 5 to 10 plants. Treble these rates to the United States and Newfoundland.

For use J. A. B. & Co.

Order No. .....

No. Pkgs. .....

How sent .....

Date sent .....

Postage .....

Received $ .....

Date 1912

QUANTITY	NAMES OF PLANTS WANTED	PRICE	

Quantity	Names of Plants Wanted	Price	

REMARKS

We will gladly mail Catalogues to any friends who are plant lovers, and will thank you to give names of same.

Grand New Sweet Corn—
Livingston's Early Sugar

A distinct and valuable addition to the early Sweet Corns. Planted in a favorable season, Livingston's Early Sugar is ready for table use in 60 days from time of planting. As compared with other good early sorts, it has bigger ears with more even rows, which are invariably filled well to the tip. Ears average 7 inches long by 2¼ inches in diameter, have from 10 to 12 rows of deep, broad, pearly white kernels of delightfully sweet flavor, which is not surpassed by any other early kind. Sixty per cent. of the stalks carry two splendid, well developed ears, which are usually placed from 2 to 3 feet above the ground.

Livingston's Early Sugar does not stool, but produces strong, sturdy plants which resist wind admirably. They stand up well, average 6 feet tall, and furnish an abundance of fine fodder. Pkt. 10c, lb. 40c, 10 lbs. $3.00.

If by mail, add postage 5c per lb. to Canadian points.

Livingston's Early Sugar.

Morse's Golden Cream Sweet Corn

An early yellow Country Gentleman type; ears are medium in size and covered with irregular rows of bright yellow kernels. It is of most delicious flavor, very sweet and juicy; it bears uniformly 2 ears to the stalk, and stalks are rather short, of a deep brown color, and the leaves and shucks are conspicuously colored with brownish red. The cob is very small and white, tinted with pink. Pkt. 10c, lb. 40c, 10 lbs. $3.00.

If by mail, add postage 5c per lb. to Canadian points.

Hoodoo Musk Melon.

Malakhof Sweet Corn

This is the earliest Sweet Corn grown, and is highly recommended for northern sections where other corn does poorly. It is dwarf and very sweet, and will prove a great boon to those who like it and who have not been able to grow corn in the short seasons of our northern districts. Pkt. 10c, lb. 30c, 10 lbs. $2.50.

If by mail, add postage at rate of 5c per lb. to Canadian points.

Hoodoo Musk Melon

About the size of "Rocky Ford," in shape somewhat more round than that popular variety. The rind and flesh at blossom end is very firm, the ski is thickly netted, and the flesh a rich, deep orange color, fine grained and of remarkable sweetness. The vines make a strong and vigorous growth, which enables them to withstand disease and produce an abundant crop of the most delicious muskmelons one can imagine. Pkt. 5c, oz. 20c, 2 oz. 35c, ¼ lb. 60c, lb. $2.00.

New Fordhook Bush Lima Beans

Is of stiff, erect habit, branching reely, but with all branches upright. The leaves are large, smooth, and a dark rich green. They bear tremendously, with pods 4 to 5 inches long, containing 4 to 5 large beans. The green beans even when full size are tender, juicy, and of delicious flavor when cooked. Pkt. 10c, ½ pint 20c, pint 30c, quart 50c. If by mail add postage 5c per pint to Canadian points.

New forcing Radish—The Norseman.

Radish Novelty, "The Norseman"

This excellent forcing Radish is offered the first time for sale. It is rose colored with white tips, short leaved, and can, under favorable conditions, be got ready in three weeks. It will remain long in the hot-beds without becoming spongy or cracking, if not kept too dry. For early forcing it is almost round, while in cold beds it is oval shaped. Pkt. 5c, oz. 20c, 2 oz. 35c, ¼ lb. 60c, lb. $2.00.

New White Tip Radish, Sparkler

An improved strain of the popular White Tip Radish. The best variety for summer planting. The radishes have a bright scarlet body, with a well defined white tip. The growth is rapid, the tap root is small, and the radishes crisp and mild. The seed is carefully grown and the variety just right for the home garden. On the market this strain will sell for higher prices than any other white tip; equally good for forcing Pkt. 5c, oz. 15c, 2 oz. 25c, ¼ lb. 40c, lb. $1.50

Johnson's Boston Market Radish

A very superior selection, somewhat resembling French Breakfast in shape, but shorter and thicker than that variety. The White Tip is well developed, and gives this novelty a most attractive appearance. Very early, and has a short top. Pkt 5c, oz 15c, 2 oz 25c, ¼lb 40c, lb $1.50.

Hamilton Market Pepper

This handsome Pepper is of local origin, and is grown almost exclusively by the large growers of peppers on the north shore of Hamilton Bay and around Burlington, who pretty nearly supply the rest of the province with their peppers. Hamilton Market Pepper is decidedly the earliest and most productive of all large mild red peppers. The strong vigorous plants grow about two feet high, they are completely laden with beautiful fruits, and bear continuously until frost. Pkt. 10c, ½ oz. 40c, 1 oz. 75c.

Hamilton Market Pepper.

Swiss Chard or Silver Beet

The Swiss Chard is not really so well known in this country as its merits deserve. Seed sown in spring will quickly produce plants of which the leafy portion of the foliage is prepared for the table like spinage, the stalks or mid-rib being delicious when cooked and served in the same manner as asparagus. Mr. Murdock, Garden Supt. at the Hamilton Asylum, from 2½ lbs. of seed sown, harvested for that institution this past dry season fully 7,000 lbs. This shows the wonderful productiveness of this fine vegetable. Pkt. 5c, oz. 15c, 2 oz. 25c, ¼ lb. 40c, lb. $1.00.

The "Burpee Improved" Bush Lima Bean

The Burpee-Improved is a distinct new creation. The pods are truly enormous in size, borne abundantly and well filled with handsome beans, which are both larger and thicker than those of the popular Burpee Bush Lima, and fully eight days earlier. Even when of full size the enormous beans, which are remarkably thin skinned, are of the most delicious flavor. Pkt. 10c, ½ pint 20c, pint 30c, quart 50c. If by mail add postage at rate of 5c per lb. to Canadian points.

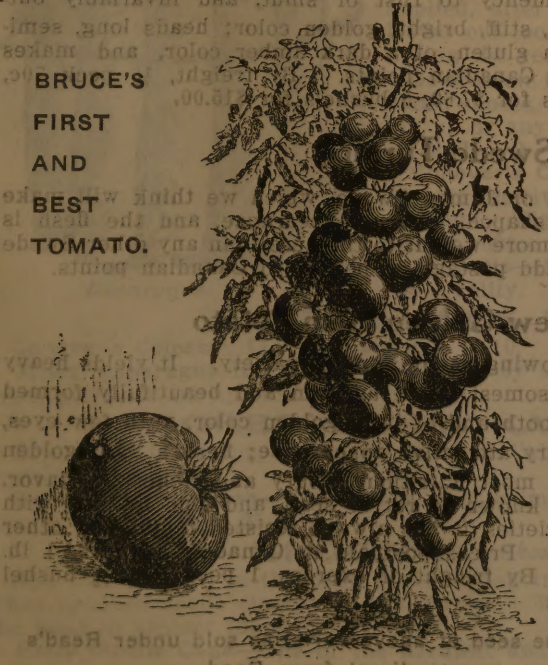
Photographed in 24 quart basket.

Bruce's Selected Erfurt Cauliflower

The largest growers find our fine strain of this Cauliflower to be the most reliable and profitable on the market. Though it has been grown from our own stock by the same grower ever since we introduced it, and as its germinating properties lose very little, we never send this out the first year, but make a careful test to see it is fully equal to the standard of past years, thus preventing loss to the grower. The above Cauliflowers, grown from our seed, weighed 9½ lbs. each, with a circumference of 31 inches. See page 13. ½ pkt. 15c, pkt. 25c, ¼ oz. 90c, ½ oz. $1.60. oz. $3.00, 2 oz. $5.50, ¼ lb. $10.00.

Bruce's Regal Pea

We are confident that this is the finest early dwarf ever introduced. It is good in all respects, and ready for gathering several days before "Gradus," has a true marrowfat flavor, and the pods are very large, quite double the size of any of the "American Wonder" or "English Wonder" type. Height averages eighteen inches, a nice height for market or private purposes. The haulm is covered from top to bottom with even-sized pods, 8 and 9 on a vine, and 9 to 10 in a pod. Pkt. 15c, ½ pint 25c, pint 40c, quart 75c, 4 quarts $2.50. If by mail, add postage 5c per pint to Canadian points.



BRUCE'S FIRST AND BEST TOMATO.

Bruce's New Early Pea, "The Settler"

A grand extra early wrinkled marrow variety. The pods are large, deep green, and filled with large peas, possessing the rich flavor and quality of the best late varieties. It attains a height of about 1½ feet, is very productive, and most valuable alike for the market gardener and private grower. Pkt. 15c, ½ pint 25c, pint 40c, quart 75c, 4 quarts $2.50. If by mail, add postage 5c per pint to Canadian points.

Bruce's Improved C. P. R. Pea

An improvement on our old variety, the best main crop, blue wrinkled marrow pea; grows 2½ feet high, literally covered with large pods, filled with large peas of most delicious flavor. It is much superior to Stratagem, especially owing to the fact that it is quite fixed. Pkt. 15c, ½ pint 25c, pint 40c, quart 75c, 4 quarts $2.50. If by mail add postage 5c per pint to Canadian points.

Bruce's First and Best Tomato

This is the finest all-round Tomato we have yet seen, and those growing it last year are loud in its praise. It is nearly as early as our Earliana, and a heavy cropper right through the season. Its appearance is magnificent, round, smooth and a beautiful scarlet color with grand foliage. It is a grand shipper, very uniform in size, and very solid. It is of splendid quality, and for slicing has no equal. Its attractive appearance will make it the leading variety for market use. Pkt. 5c, ½ oz. 25c, 1 oz. 45c, 2 oz. 85c, ¼ lb. $1.50.

Read's Green Mountain Oats

A cross from the Mortgage Lifter and White Russian varieties. The straw is absolutely rust proof and of best quality; it resists drought best, is a strong and vigorous grower, tilling abundantly, and heads are exceedingly large and heavy, with drooping habit when ripe. It yields with great certainty, almost double the ordinary sorts, stands up well, is a grand stooler and of rugged hardiness, grain is large, pure white; makes grand oatmeal. It does not deteriorate like most sorts, but gains vigor each year as it becomes acclimatized. We grew this variety the past two seasons and can highly recommend it. 1 lb. 25c, 5 lbs. for $1.00, postpaid to Canadian points. By freight, peck 75c, ½ bushel $1.25, bushel $2.25, 2½ bushels for $5.50, 5 bushels for $10.75.

Green Mountain Oats.
Showing heads reaching across a bushel basket.

Read's Triumph Barley

A cross between Highland Chief, 2-row, and Mandscheuri, 6-rowed. It starts quickly, grows rapidly, resists drought, free from smut, is a wonderful stooler, and outyields all other sorts. It is 6-rowed, beards silky and pliable; grains large, plump, and of bright color; straw stiff, stands erect, and of splendid feeding quality. It is unequalled for malting and to grow in mixed grain crops. This sort grown by us the past season did exceedingly well. Lb. 25c, 5 lbs. for $1.00, postpaid to Canadian points. By freight, peck 75c, ½ bushel $1.25, bushel $2.25, 2½ bushels for $5.50, 5 bushels for $10.75.

No. 21 Mandscheuri Barley

This fine strain, a selection by the Ontario Agricultural College, has created a great sensation the past three seasons. We have grown it with excellent results, and offer it feeling confident it will give unequalled satisfaction. Postpaid to Canadian points, 25c lb., 5 lbs. for $1.00. By freight, peck 35c, bushel $1.25, 10 bushels $11.50 here.

Read's Vermont Beardless Barley

A cross between Giant White Hulless and Manshury. Straw tall, strong and of superior feeding value; the longest, broadest, thickest and best filled heads; never rusts or smuts; hardy and entirely beardless; a sure cropper, a great drought resister, immensely prolific and of splendid malting quality. It threshes easier than other beardless sorts, yet does not shatter in the field or during harvesting. Postpaid to Canadian points, lb. 30c, 4 lbs. for $1.00. By freight, ½ peck 75c, peck $1.10, ½ bushel $1.75, bushel $3.00, 2½ bushels $7.30, 5 bushels for $14.25.

Read's Reliable Spring Wheat

A cross between British Imperial and Saskatchewan Fife. It is a vigorous grower, stooling heavily, ripens early and uniformly, showing no tendency to rust or smut, and invariably outyielding all other sorts. The straw is of good height, stiff, bright, golden color; heads long, semi-bearded, with smooth chaff, grain large, flinty, rich in gluten, of a dark amber color, and makes splendid flour. 1 lb. 30c, 4 lbs. for $1.00, postpaid to Canadian points. By freight, ½ peck 70c, peck $1.15, ½ bushel $1.70, bushel $3.10, 2½ bushels for $7.60, 5 bushels for $15.00.

Bruce's Giant King Swede Turnip

This is an improvement on the Elephant or Monarch or Jumbo Swede, which we think will make a name for itself among root growers. It is tankard shaped, of fine appearance, and the flesh is solid and nutritious. It is a heavy yielder, producing more weight to the acre than any other Swede Turnip. ¼ lb. 15c, ½ lb. 25c, lb. 40c. If by mail, add postage 5c per lb. to Canadian points.

New Potato, Golden Gem.

New Golden Gem Potato

Is a vigorous growing, medium early variety. It yields heavy crops of the handsomest, most uniform and beautifully formed tubers. Very smooth and of light golden color, with few eyes, which give it a very attractive appearance; flesh a light golden color, finest grain, most nutritious, floury and richest in flavor. It has never been known to rot or scab, and side by side with all the leading varieties it has always resisted blight and other diseases the best. Prices postpaid to Canadian points: 1 lb. 25c, 5 lbs. $1.00. By freight or express, 1 peck 65c, ½ bushel $1.10, bushel $2.00.

We guarantee the seed of above varieties sold under Read's name comes direct from Read.

BRUCE'S SELECTED VEGETABLE SEEDS

CONDITIONS OF SALE.—John A. Bruce & Co., Limited, take every precaution to supply reliable Seeds, but give no warranty, express or implied, as to description, quality, growth, productiveness. or any other matter, of any seeds they send out, and they wish it to be distinctly understood that they will not be in any way liable for auy loss arising from any failure thereof, or responsible in any way for the crop. All goods bought from them must be accepted on these conditions.

SAFE DELIVERY OF GOODS.—Though we mail several thousand packages in a season, it is a rare thing for any not to reach their destination, but in case of non-arrival within a reasonable time, write us with full particulars of order sent, and we will investigate promptly.

SEEDS BY MAIL.—All seeds forwarded by mail are sent free of charge to all Canadian points at Catalogue prices, except Beans, Corn, Mushroom Spawn, Onion Sets, Potatoes, Peas, Sugar Beet, Field Carrot, Mangel, Rape, Field Turnip, Grain, Clover, Grass, Tree, Hedge and Fruit Seeds; when such are to be mailed, postage must be added at the rate of 5 cents per pound or pint within the Dominion of Canada, and 16 cents per pound or pint to Newfoundland and the United States.

ARTICHOKE. *Artichaut*, Fr. *Artischoke*, Gr.

Sow in April or May in drills two inches deep; thin the plants to four inches, and when strong transplant in deep, rich soil, two feet apart each way; keep the earth loose about them in summer, and cover during the winter with dry litter or leaves for protection. **Green Globe**—Pkt. 5c, oz. 50c.

Jerusalem Artichoke—Cultivate like potatoes, but plant in rows not less than three feet apart. They are enormously productive, and are valuable alike as a table vegetable as well as for feeding stock. Per bush $2.50, peck 70c here. 1 lb. 25c, 3 lbs. 60c, per mail, postpaid to all Canadian points.

Asparagus.

ASPARAGUS. *Asperge*, Fr. *Spargel*, Gr.

One ounce will sow a row of thirty feet.

Sow early in the spring in drills one foot apart. To secure strong, healthy plants, thin out the seedlings to three or four inches in the rows. The one-year-old plants should be set out in the spring in a rich sandy loam, dug eighteen inches deep, into which has been worked plenty of well-rotted manure. Plant in rows fifteen inches apart, and twelve inches apart in the rows. Spread out the roots all around, and carefully shake the soil in amongst the rows and cover to a depth of four inches. Before winter sets in cover the beds with six inches of manure, and in the spring give a top dressing of salt. Every fall a good dressing of coarse manure should be applied, after the tops have been cut, and in spring forked in. Never cut too closely. as the roots need the benefit of some foliage during the year.

Columbian Mammoth White—This fine variety furnishes large white shoots, which stay white as long as fit for use, without earthing up or any other artificial blanching. Pkt. 5c, oz. 10c, 2 oz. 20c, ¼ lb. 30c, lb. $1.00.

Conover's Colossal or Early Purple Argenteuil—Large and productive, cultivated extensively for the Paris and other continental markets. Highly recommended. Pkt. 5c, oz. 10c, 2 oz. 15c, ¼ lb. 20c, lb. 60c.

Palmetto—An early variety of large size, very productive and of fine quality. Pkt. 5c, oz. 10c, 2 oz. 15c, ¼ lb. 25c, lb. 75c.

ASPARAGUS ROOTS. Two Year Old.

Conover's Colossal, $1.00. **Palmetto**, $1.10. **French Giant and Columbia Mammoth**, $1.20 per 100. When Asparagus Roots are to be sent by mail add postage at the rate of 30c per 100. Special price per 1,000 on application.

BORECOLE OR KALE. *Chou Vert*, Fr. *Gruner Kohl*, Gr.

Sow early in spring, cultivate same as Cabbage. They supply a stock of excellent greens for spring and fall use.

Green Curled Scotch—Very hardy, and is improved by a moderate frost. Pkt. 5c, oz. 15c, 2 oz. 25c, ¼ lb. 40c, lb. $1.25.

BROCCOLI. *Chou Brocoli*, Fr. *Spargel Kohl*, Gr.

Sow end of April in the open ground, then transplant about two feet apart in deep, rich ground. They produce heads similar to Cauliflower. When they begin to flower break the large leaves over the head to protect them from the sun.

Early Purple Cape—One of the hardiest and sure to head. Pkt. 5c, oz. 50c, 2 oz. 90c, ¼ lb. $1.50.

Walcheren—Fine snow-white heads, very hardy. Pkt. 5c, oz. 50c, 2 oz. 90c, ¼ lb. $1.50.

BEANS

DWARF OR BUSH

Haricot, Fr. *Bohnen*, Gr.

One pint will sow a row of 50 feet. The Dwarf or Bush varieties should be planted in rows, 2½ feet apart, and 2 or 3 inches in the row. They are very sensitive to frost or cold, and should not be planted before the second week in May. Hoe often, and keep the ground mellow and draw the earth up to the plants. Plant the pole or running varieties in hills 3 feet apart, and in the hills place poles from 6 to 8 feet high.

Wardwell Beans.

DWARF YELLOW PODDED SORTS.

Valentine Wax—Extra early. The pods are round, stringless, and of the finest quality. It is remarkably free from rust and remains a long time before becoming tough. Pt. 20c, qt. 35c, peck $2.25.

Black Wax or Butter—Pods transparent waxy yellow, thick, tender. Pt. 20c, qt. 35c, peck $2.25.

Wardwell's Kidney Wax—Extra early, pods long and flat, free from rust. Pt. 20c, qt. 35c, peck $2.25.

Golden Wax—The standard variety for general use; pods long, broad and flat, very fleshy and of finest quality. Early and productive. Pt. 20c, qt. 35c, peck $2.25.

Detroit Wax—Hardy and productive. Pint 20c, qt. 35c, peck $2.25.

Refugee Wax—Pods round, clear and transparent, and of handsome appearance. Is tender, very productive, free from rust, and stands dry weather remarkably well. Pt. 20c, qt. 35c, peck $2.25.

Flageolet Golden Wax—Produces larger and longer pods than any other of the yellow podded sorts. Very productive, and for market purposes cannot be excelled. Pt. 20c, qt. 35c, peck $2.25.

Giant Yosemite Wax—Very large yellow pods, of finest quality. Pt. 35c, qt. 60c, peck $3.75.

Davis White Wax—Very productive, fine appearance ,also good shell bean. Pt. 20c, qt. 35c, pk $2.25.

Pencil Pod Black Wax—Hardy, prolific, and remains long time before getting tough. Pods long, a rich dark yellow, tender and brittle. Pt. 20c, qt. 35c, peck $2.25.

DWARF GREEN PODDED VARIETIES.

Stringless—It combines hardiness, earliness, and productiveness, with pods of finest quality, long, round, and meaty, tender, brittle, and of fine flavor, and absolutely stringless, even when fully matured. Pt. 20c, qt. 35c, peck $2.25.

Valentine—Early, productive, tender, succulent, and of excellent flavor. Pt. 15c, qt. 25c, peck $1.50.

Yellow Six Weeks—Early and prolific, good for general crop. Pt. 15c, qt. 25c, peck $1.50.

Refugee or One Thousand to One—Great bearer, late; best for pickling. Pt. 15c, qt. 25c, peck $1.50.

Large White Kidney—Excellent as a shell bean. Pt. 15c, qt. 25c, peck $1.50.

DWARF OR BUSH LIMA BEANS.

Burpee's Bush Lima—A heavy yielder, each bush bearing from fifty to two hundred pods, filled with beans identical in size and luscious flavor to the large pole Limas. Pt. 25c, qt. 40c.

Burpee's Improved Bush Lima—See Novelties.

ENGLISH BROAD BEANS.

These are very hardy, and should be planted as soon as the ground is open; when in full bloom and the flower pod set, pinch off the tops. This ensures the filling of the pods and hastens maturity. A strong, heavy soil suits them best.

Taylor's Broad Windsor—The largest and best of the class for general use. Pt. 25c, qt. 40c.

POLE OR RUNNING BEANS.

One pint will plant about seventy-five hills.

Siebert's Early Lima—The best variety for northern planting, an enormous yielder; pods medium long, well filled, with large, tender, fine flavored beans. Pint 25c, quart 40c.

Large Lima—The favorite pole bean; plant when the ground is dry and warm. Pint 25c, quart 40c.

Scarlet Runners—Very prolific, mostly grown as an ornamental plant. Pint 25c, quart 40c.

Asparagus, or Yard Long—Pods tender and sweet. Pkt. 10c, pint 75c, quart $1.25.

Large packets of any variety of Beans, 10c; small packets 5c each. When Beans are to be sent by mail, add postage at the rate of 5c per pint within the Dominion of Canada, and 16c per pint to Newfoundland and the United States. For Field Varieties see Agricultural Seeds.

Green Pod Beans.

Eclipse Beet.

BEETS

Betterave, Fr. *Rothe Rube*, Gr.

One ounce will sow a row of 40 feet; 5 lbs. for an acre.

Beets require a deep, mellow soil; may be sown from the early spring to the commencement of summer. The winter crop, to be tender, should not be sown too early. Sow in drills 18 inches apart, and thin out the plants gradually to six inches. Keep the soil well stirred.

Fireball—New—This splendid variety, of English origin, is perfectly globe shaped, the skin is smooth, the flesh solid, with a very sweet flavor and of a bright, intense red color. Very small dark colored leaves and a slim tap root make it valuable for early sowing in frames. It is also very desirable in the open ground, where it retains its fresh table quality better than most beets. Pkt. 5c, oz. 20c, 2 oz. 35c, ¼ lb. 60c, lb. $1.75.

Detroit Dark Red Turnip—Small, upright tops, smooth roots, tender and sweet, grand canning variety. Pkt 5c, oz 25c, 2 oz 40c, ¼ lb 75c, lb. $2.

Bruce's Long Beet.

Black-Leaved Blood Red—Very handsome round shape, fine grained blood-red flesh, tender and early; the leaves are a beautiful blood red color, almost black. Pkt. 5c, oz. 20c, 2 oz. 35c, ¼ lb. 60c, lb. $1.75.

Crimson Globe—The flesh is fine grained, sweet and tender, of a dark crimson color. Leaves are small, with slender leaf stalks, and as dark in color as Egyptian. Comes in same time as Eclipse. Pkt. 5c, oz. 20c, 2 oz. 35c, ¼ lb. 60c, lb. $1.75.

Egyptian Dark Red Turnip—A standard extra early variety, very deep red, tender and fine flavor. Best for early market. Pkt. 5c, oz. 20c, 2 oz. 35c, ¼ lb. 60c, lb. $1.75.

Crosby's Egyptian—A selection from the Egyptian, which, while it retains its earliness, has added thickness, giving it a more desirable shape; it is of fine quality, sweet and tender. Pkt. 5c, oz. 25c, 2 oz. 40c, ¼ lb. 75c, lb. $2.00.

Eclipse—Extra early, turnip shaped variety, remarkable for rapid growth. Roots grow smooth, round shape, intense red skin, flesh very fine grained, and sweet. Pkt. 5c, oz. 20c, 2 oz. 35c, ¼ lb. 60c, lb. $1.75.

Edmand's Early—Very uniform, with small tops of bronze red. Is round, smooth, and good marketable size, fine quality, exceedingly sweet and tender. Skin and flesh dark blood red. Pkt. 5c, oz. 20c, 2 oz. 35c, ¼ lb. 60c, lb. $1.75.

Dewing's Improved Blood Turnip—Roots deep blood red, and of fine form and flavor Pkt. 5c, oz. 20c, 2 oz. 35c, ¼ lb. 60c, lb. $1.75.

Crimson Globe Beet.

Early Blood Turnip—Very tender and good for early and late use. Pkt. 5c, oz. 20c, 2 oz. 35c, ¼ lb. 60c, lb. $1.75.

LONG VARIETIES FOR WINTER USE.

Bruce's Long Dark Blood—Roots very symmetrical and always smooth and handsome. Flesh is dark red, very sweet, crisp and tender, never becoming woody, even in portions above the ground. Retains its good quality longer than other sorts. Pkt. 5c, oz. 20c, 2 oz. 35c, ¼ lb. 60c, lb. $1.75.

Long Smooth Blood Red—An excellent late variety. Pkt. 5c, oz. 20c, 2 oz. 35c, ¼ lb. 60c, lb. $1.75.

Swiss Chard or Silver Beet—Grown exclusively for its leaves, which are prepared for the table in the same manner as Spinach, while the large silvery midrib is used by many as a substitute for Asparagus and Sea Kale. Pkt. 5c, oz. 15c, 2 oz. 25c, ¼ lb. 40c, lb. $1.00.

BRUSSELS SPROUTS

Chou de Bruxelles, Fr. *Rosen Kohl*, Gr.

Brussels Sprouts.

Sow seed in May; transplant and cultivate same as Cabbage. They grow from two to three feet high, and produce little heads from the axles of each leaf. They are very tender when touched by frost.

Improved Dwarf—Extra fine. Pkt. 5c, oz. 20c, 2 oz. 35c, ¼ lb. 60c, lb $2.

New Danish Prize—The best of all. Pkt. 10c, oz. 50c, 2 oz. 80c.

CABBAGE

Chou, Fr. *Kohl*, Gr.

One ounce will sow a bed of four feet by ten and furnish about 2,000 plants. Sow the early varieties in hot-beds or frames, from February to April for early crops, and in the open ground as soon as the soil is in working order. For Fall and Winter Cabbage sow the seeds in beds in the open ground at the end of April, or early in May, and transplant into well manured ground. Early varieties should be planted in rows two feet apart and fifteen inches in the rows; late varieties, two and a half feet each way. The ground must be well worked to produce good heads. Hoe often and draw the earth around the plant.

New Early Cabbage, "Copenhagen Market" —See Novelties.

Express—Extra early, excels in earliness all others. It has the shape of Early Etampes, but is smaller and earlier; has but few outside leaves, and therefore may be planted very close and yield large crops. Pkt. 5c, oz. 20c, 2 oz. 35c, ¼ lb. 60c, lb. $2.00.

Early Spring — A round flat-headed cabbage as early as Wakefield, and more productive. Very uniform in shape. It has very few small outer leaves, thus allowing its being planted as close as any variety known, of the finest quality. Pkt. 5c, oz. 25c, 2 oz. 40c, ¼ lb. 75c, lb. $2.50.

Extra Early Eureka—It excels all other early cabbage in solidity of head, being as hard and solid as the Danish Ballhead; suited also for a second early or summer crop where a medium sized head will answer. Pkt. 5c, oz. 25c, 2 oz. 40c, ¼ lb. 70c, lb. $2.50.

Early Winningstadt—A standard variety for general use; heads large and remarkably solid; keeps well in hot or cold weather. Pkt. 5c, oz. 20c, 2 oz. 35c, ¼ lb. 60c, lb. $2.00.

Selected Jersey Wakefield Cabbage.

Early Etampes—A fine extra early ox-heart shape, of excellent quality. Pkt. 5c, oz. 20c, 2 oz. 35c, ¼ lb. 60c, lb. $2.00.

Selected Early Jersey Wakefield—To those who may not be familiar with this well-known variety we would say it is justly considered by market gardeners to be one of the best and most reliable early cabbages in cultivation. The seed we offer is unequalled in quality. Pkt. 5c, oz. 25c, 2 oz. 45c, ¼ lb. 85c, lb. $3.00.

Henderson's Early Summer—About ten days later than the Early Wakefield, but fully double the size; one of the best large, early cabbage. Pkt. 5c, oz. 25c, 2 oz. 45c, ¼ lb. 85c, lb. $3.00.

All Head—A second early sort, very productive and of fine quality; the deep flat heads are remarkably solid and very uniform in size. Pkt. 5c. oz. 25c, 2 oz. 45c, ¼ lb. 85c, lb. $3.00.

Surehead—A large and sure heading main crop cabbage; splendid keeper and shipper. Pkt. 5c, oz. 25c, 2 oz. 45c, ¼ lb. 85c, lb. $3.00.

All Seasons (Vandergaw)—An early drumhead variety, somewhat later than Early Summer, but much larger. Planted late, the heads, which are hard and solid, keep well. Pkt. 5c, oz. 25c, 2 oz. 45c, ¼ lb. 85c, lb. $3.00.

Henderson's Summer Cabbage.

CABBAGE—Continued.

Glory of Holland—A new medium early variety, with large ball-shaped thin ribbed hard heads. The plants are pale green, with few outer leaves, which admits of close planting. A particularly attractive variety for market purposes, and a good seller. Pkt. 5c, oz. 30c, 2 oz. 55c, ¼ lb. $1.00, lb. $3.50.

Summer Ballhead—New—The same fine type of cabbage as the Danish Ballhead, but earlier, and a splendid variety for summer use. The heads are large, solid, round and of good quality. In our tests last summer it showed up to great advantage. Pkt. 5c, oz. 25c, 2 oz. 45c, ¼ lb. 85c, lb. $3.00.

Succession—Equally good as a medium early, main crop, or for late use. Pkt. 5c, oz. 25c, 2 oz. 45c, ¼ lb. 85c, lb. $3.00.

Danish Ball Head (or Hollander)—The heads are round, of good marketable size, hard and heavy, fine grained and long keepers. It will stand well through a dry season when other sorts fail; matures late. Pkt. 5c, oz. 25c, 2 oz. 45c, ¼ lb. 85c, lb. $3.00.

Glory of Holland.

Fottler's Improved Short Stemmed Brunswick—This, for a fall or winter cabbage, is without a rival. Heads are large and solid, often weighing from 20 to 30 lbs. Is a sure header, splendid keeper, and of excellent quality. Most profitable variety to grow. Pkt. 5c, oz. 20c, 2 oz. 35c, ¼ lb. 60c, lb. $2.00.

Summer Ballhead.

Danish Drumhead—This is an earlier and shorter stemmed type of the popular Danish Ballhead. It is equal to that variety both in quality and long keeping properties, while the heads average larger and heavier and mature two weeks earlier. A paying cabbage to grow for late fall and winter market. Pkt. 5c, oz. 25c, 2 oz. 45c, ¼ lb. 85c, lb. $3.00.

Premium Flat Dutch—A popular variety. Pkt. 5c, oz. 20c, 2 oz. 35c, ¼ lb. 60c, lb. $2.00.

Autumn King, or World Beater—Heads very large, broad, thick, and solid; stalks short, foliage dark green, with slight reddish tinge; splendid keeper. Pkt. 5c, oz. 25c, 2 oz. 45c, ¼ lb. 85c, lb. $3.00.

Bruce's Winter—This is a distinct extra large and hardy variety; it produces enormous, solid heads, attaining 20 inches in diameter and weighing 20 to 30 lbs. It is very short stemmed, the heads resting almost on the ground; is very productive and a good keeper. Pkt. 5c, oz. 25c, 2 oz. 40c, ¼ lb. 70c, lb. $2.50.

Filderkraut—Conical shaped heads, with very few side leaves. This variety is largely used in Germany in the manufacture of "Kraut." Pkt. 5c, oz. 20c, 2 oz. 35c, ¼ lb. 60c, lb. $2.00.

SAVOY CABBAGE

Large German Drumhead—Our stock of this favorite winter variety is unsurpassed for purity, and never fails to produce large solid heads. Pkt. 5c, oz .20c, 2 oz. 30c, ¼ lb. 50c, lb. $1.75.

Green Globe Savoy—Heads small but tender, of fine quality. Pkt. 5c, oz. 20c, 2 oz. 30c, ¼ lb. 50c, lb. $1.75.

RED CABBAGE

Red Delicacy—See Novelties—The best red cabbage on the market. It is medium early, of splendid quality, solid, and handsome. Pkt. 10c, oz. 60c, 2 oz. $1.00, ¼ lb. $1.75.

Large Red Drumhead—Produces very large solid heads of fine deep purple color. Pkt. 5c, oz. 25c, 2 oz. 45c, ¼ lb. 85c, lb. $3.00.

Red Dutch—A favorite sort for pickling; heads not so large as preceding. Pkt. 5c, oz. 25c, 2 oz. 45c, ¼ lb. 85c, lb. $3.00.

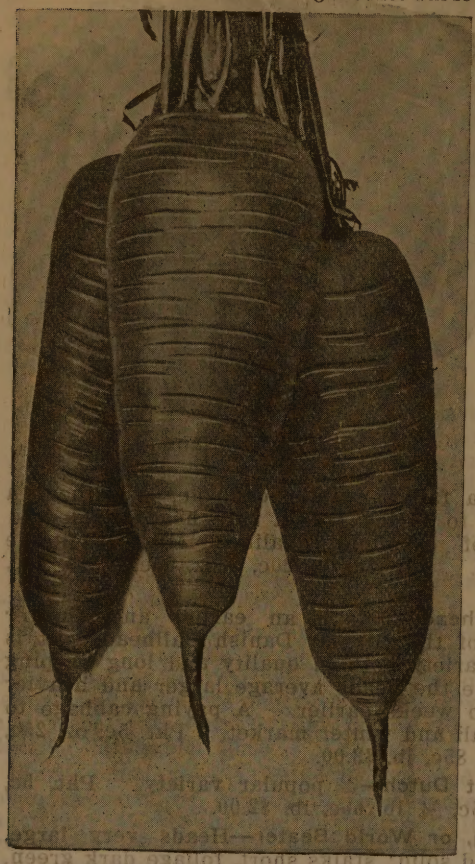
Mammoth Red Rock—This is the largest red variety, heads averaging over 10 lbs. each, solid as a rock and of a deep red color both inside and out. Pkt. 5c, oz. 30c, 2 oz. 55c, ¼ lb. $1.00, lb. $3.50.

Cabbage, Savoy Drumhead.

Plants—all leading varieties ,35c per hundred here. Special prices for large quantities.

CARROT *Carotte*, Fr. *Mohren*, Gr.

One ounce will sow a row of 100 feet; 3 to 4 pounds for one acre.



Chantenay Carrot.

The Carrot succeeds best in a light, sandy loam, richly manured and deeply dug. For early crops sow in rows 18 inches apart, and thin out to 6 inches in the row. Hoe often between rows and keep clear of weeds.

Extra Early Scarlet Forcing—This is the earliest and best variety for forcing. The root is small, nearly round, and of excellent quality. Pkt 5c, oz 25c, 2 oz 45c, ¼lb 85c, lb $3.

Early Scarlet French Horn—Stump rooted, deep scarlet, fine flavor. Pkt. 5c, oz. 25c, 2 oz. 40c, ¼ lb. 80c, lb. $3.00.

Early Guerande or Ox Heart—Stump rooted, intermediate as to length, between the French Horn and S. Nantes, but much thicker, attaining at the neck from 3 to 4 inches in diameter. Pkt. 5c, oz. 25c, 2 oz. 40c, ¼ lb. 80c, lb. $3.00.

Chantenay Half-Long—The best early and most uniform Carrot in existence. Six inches long, stump rooted, very smooth, as shown in photograph, deep red and fine grained. More largely grown for market than any other variety. Pkt. 5c, oz. 25c, 2 oz. 40c, ¼ lb. 80c, lb. $3.00.

Danver's Half-Long—A handsome stump-rooted Carrot, of rich, dark orange color. It grows to a large size, is smooth, and the flesh very close in texture. with little core. Pkt. 5c, oz. 25c, 2 oz. 40c, ¼ lb. 80c, lb. $3.00.

Early Half-Long Nantes—Large stump-rooted variety, superior for table use. Pkt 5c, oz 25c, 2 oz 40c, ¼lb 80c, lb. $3.

St. Valery—A fine intermediate type; superior in quality and shape; beautifully formed roots with very small core. Pkt. 5c, oz. 25c, 2 oz. 40c, ¼ lb. 75c, lb. $2.75.

English Horn, or French Intermediate—A half-long pointed variety, medium early, and heavy cropper. Pkt. 5c, oz. 25c, 2 oz. 40c, ¼ lb. 75c, lb. $2.75.

Long Orange—Good for general crop, field or garden. Pkt. 5c, oz. 25c, 2 oz. 40c, ¼ lb. 75c, lb. $2.75.

Long Scarlet Altringham—An excellent variety for field or garden. Pkt. 5c, oz. 25c, 2 oz. 40c, ¼ lb. 75c, lb. $2.75.

Half ounce of any variety Carrots will be supplied for 15c.

For Field Varieties—See Agricultural Seeds.

Nantes Half-Long Carrot.

CAULIFLOWER *Chou-Fleur*, Fr *Blumen Kohl*, Gr.

Bruce's Selected Snowball Cauliflower.

One ounce will furnish about 1,000 plants.

For early crops sow the seed in a gentle hot bed about the middle of March, and for late crops sow in the open ground in May or June, and transplant in rows 2½ feet apart and 2 feet between each plant. A deep rich loam is the best. In dry weather water frequently with liquid manure, and as they advance hoe deep and draw the earth to the stems; as they begin to head, water and keep the soil open, and break the large leaves over the flower to protect it from the sun and rain. On the approach of frost they may be planted in a cellar, where they can be aired in mild weather, when they will form fine heads.

Extra Early Snowball—Bruce's Selected—A well known extra early variety, about ten days earlier than our Select Erfurt. It is also one of the best for late summer and fall crop, heads pure white, large, solid and of extra quality; a sure header. Half pkt. 15c; pkt. 25c, ¼ oz. 90c, ½ oz. $1.60, oz. $3.00, 2 oz. $5.50, ¼ lb. $10.00.

Large Walcheren—A very large variety; sure header. Pkt. 5c, oz. 50c, 2 oz. 90c, ¼ lb. $1.50.

Extra Early Paris—Heads medium size. Pkt. 5c, ½ oz. 60c, oz. $1.00, 2 oz. $1.75, ¼ lb. $3.00.

Bruce's Selected Early Dwarf Erfurt—It is now 33 years since we first introduced this famous strain of Erfurt Cauliflower, and year after year it has become more popular, until leading market gardeners in every section of the Dominion now grow it entirely, as they found our strain of Erfurt to be the surest heading and altogether the most profitable sort for market purposes. On account of its dwarf and compact habit the plants may be set 20 to 22 inches each way, so that from 12 to 15 thousand can be placed on an acre. For pickling it is the standard variety; in the compact and solid texture of the snow-white heads combined with its delicious flavor, it surpasses all other sorts. We obtain our supply of seed direct from our growers, with whom we have a standing contract to deliver a stated quantity for each season, and knowing the scrupulous care exercised in the selection of only the purest and finest heads for seed purposes, have no hesitation in stating for purity it is not surpassed by any other variety, no matter under what name it may be offered. ½ pkt. 15c pkt. 25c, ¼ oz. 90c, ½ oz. $1.60, 1 oz. $3.00, 2 oz. $5.50, ¼ lb. $10.00.

Bruce's Autumn King—This is a vigorous growing variety, with large white, firm heads Pkt. 5c, ½ oz. 60c, oz. $1.00, 2 oz. $1.75, ¼lb $3

Le Normand's Short Stemmed—A variety producing large, white compact heads. Pkt. 5c, ½ oz. 60c, oz. $1.00, 2 oz. $1.75, ¼ lb. $3.00.

CAULIFLOWER—Continued.

Bruce's Selected Erfurt Cauliflower.

Erfurt—Ordinary stock—Pkt. 10c, ½ oz. $1.00, oz. $1.60, 2 oz. $3.00, ¼ lb. $5.50.

Autumn Giant—Heads pearly white, large, firm and compact. Pkt. 5c, oz. 50c, 2 oz. 90c, ¼lb $1.50.

Plants, Erfurt and Snowball, $1.25 per 100 here. Special prices for large quantities.

CELERY *Celeri*, Fr. *Sellerie*, Gr

One ounce will furnish about 2,500 plants.

Sow in hot-beds in March, and when 3 inches high transplant into a well-prepared bed and protect in frosty weather. For late crops sow in April, transplant 3 inches apart, and when 6 inches high plant 6 inches apart into trenches; dig trenches 4 feet apart and 15 inches wide and 10 inches deep; fill in 4 or 5 inches of well rotted manure, and mix it thoroughly half a spade deep with earth at the bottom. The tops and roots of the plants should be shortened and the suckers pinched off before they are planted; give a good watering after planting; to blanch, earth up two or three times during growth, holding the leaves close with the hand while the earth is drawn up, taking care that none falls into centre of plant. Celery is wonderfully improved by superior culture.

Bruce's Paris Golden Large Solid Celery.

Paris Golden Yellow Large Solid—Bruce's Selected—This fine variety, introduced by us in 1882, has now become the standard variety for general use. The stalks grow vigorously with large ribs very thickly and closely set. It is self-blanching to a very remarkable degree. The heart is of a beautiful golden yellow color, very large, crisp and solid. Unlike other self-blanching varieties, it is an extra good keeper—keeping well all winter—and of the finest sweet flavor. On the market stall or table it is unequalled in handsome and striking appearance. Our strain is the best to be procured. ½ pkt. 10, pkt. 20c, ¼ oz. 60c, ½ oz. $1, oz $1.75.

Giant White Pascal—This is the largest celery grown as regards width and thickness of stalks. When fully grown the outer stalks average two inches wide, are unusually thick, and always crisp and brittle, snapping like glass, and of fine flavor. A very vigorous grower and a good keeper. Pkt. 5c, oz. 25c, 2 oz. 40c, ¼ lb. 75c, lb. $2.75.

White Plume—The stalks and portions of the inner leaves and heart are naturally white. Its eating qualities are equal to the very best, being crisp, solid and of pleasing flavor, while the white feathery-like foliage is very handsome on the table. Pkt. 5c, oz. 30c, 2 oz. 55c, ¼ lb. $1.00, lb. $3.50.

Perfection Heartwell—One of the best for winter use. Pkt. 5c, oz. 25c, 2 oz. 40c, ¼ lb. 75c, lb. $2.75.

Bruce's Paris Rose Ribbed Celery.

CELERY—Continued.

Perle le Grand—It has a beautiful full golden heart and rich, nutty flavor, and is extremely showy and saleable. It is not only a good early celery, but also valuable as a winter keeper. Pkt. 5c, oz. 25c, 2 oz. 40c, ¼ lb. 75c, lb. $2.75.

Winter Queen—A valuable variety for winter and spring use. The plant is of a stocky and robust habit, and when blanched is a beautiful cream white. Ribs perfectly solid, crisp and of delicious nutty flavor. Pkt. 5c, oz. 25c, 2 oz. 40c, ¼ lb. 75c, lb. $2.75.

Paris Rose Ribbed—This handsome variety is practically identical with the Paris Golden Yellow, except that the naturally golden colored stalks are suffused with a warm rosy hue, which gradually fades towards the top of the stalks, where it assumes a bright golden color, when blanched. The plant is dwarf and heavy; the stalks broad, solid and brittle, while possessing the crispness, rich and nutty flavor for which red celeries are noted. From a load of Paris Rose on our local market we weighed well trimmed heads of 3½ lbs. each, one bunch of 12 being exactly 34¾ lbs—an evidence of the excellence of our strain combined with good cultivation. Pkt. 10c, oz. 50c, 2 oz. 90c, ¼ lb. $1.50, lb. $5.50.

New Chicago Giant—It is earlier and larger than White Plume, and of better quality than any other white. Its foliage is green and white, and its stalks are tender, brittle, sweet, and of a nutty flavor. Pkt. 10c, oz. 50c, 2 oz. 90c, ¼ lb. $1.50, lb. $5.50.

Syer's Triumph—Of local origin. This splendid half dwarf variety is remarkable for its keeping qualities, remaining in splendid condition all through the winter and into the spring. The stalks, which blanch readily to a pearly white, are broad and solid, very crisp, and of the finest flavor. Pkt. 5c, oz. 25c, 2 oz. 40c, ¼ lb. 75c, lb. $2.75.

Pink Plume—This is practically identical with the well known White Plume, but with the added merit of the stalks being exquisitely suffused with pink, and possessing the crispness and rich nutty flavor for which red celeries are noted. Pkt. 5c, oz. 30c, 2 oz. 55c, ¼ lb. $1.00, lb. $3.50.

Bruce's Hamilton Red—This is the best of the red celeries, its distinctive features being its snze, superior flavor and long keeping qualities. It grows about two feet high, stalks unusually broad, thick and crisp. Pkt. 10c, oz. 50c, 2 oz. 90c, ¼ lb. $1.50, lb. $5.50.

Turnip Rooted or Celeriac—Has edible roots which are used for soups, etc. Pkt. 5c, oz. 20c, 2 oz. 35c, ¼ lb. 60c, lb. $2.00.

Celery Seed—For flavoring soups, etc. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 50c.

Celery Plants—The leading varieties, $1.00 per 100 here. Special prices for large quantities.

CHIVES

Grown for their tops, which are used wherever the flavor of onion is required. Perfectly hardy, and should be in every garden. **Chives Seed**—Pkt. 20c, oz. 75c, ¼ lb. $2.50.

CHICORY *Chicoree Sauvage*, Fr. *Cichorien*, Gr.

It may be sown and treated in the same manner as Carrots. Used to mix with or as a substitute for coffee.

Large Rooted or Coffee—Pkt. 5c, oz. 15c, 2 oz. 25c, ¼ lb. 40c, lb. $1.50.

CURLED CHERVIL *Cerfeuil*, Fr. *Kerbel*, Gr.

Cultivate and use like Parsley, sow at any time in the spring in shallow drills one foot apart. Pkt. 5c, oz. 15c, 2 oz. 25c, ¼ lb. 40c, lb. $1.25.

CORN SALAD *Mache*, Fr. *Ackersalat*, Gr.

Sow the seed early in September, thickly, in shallow drills six inches apart, and protect through the winter with a slight covering of clean straw. It requires rich soil. Pkt. 5c, oz. 10c, 2 oz. 15c, ¼ lb. 25c, lb. 90c.

CORN, SWEET OR SUGAR

Mais, Fr. *Welschkorn*, Gr.

When Corn is sent by mail, add postage at the rate of 5c per pound within the Dominion of Canada, and 16c per pound to Newfoundland and the United States.

One pound will plant about 100 hills, 10 pounds for an acre. Plant in hills three feet apart each way, and three or four grains in a hill. Hoe often and draw the soil to the stems; plant about the middle of May, and for a succession every two weeks until July.

Peep O' Day—Of extraordinary earliness and unparalleled sweetness. The stalks bear from two to three ears, and the growth being dwarf—about 4 feet—admits of very close planting. Pkt. 5c, lb. 20c, 5 lbs. 90c, 10 lbs. $1.70.

Early Minnesota—A well-known early variety of finest quality. Pkt 5c, lb 20c, 5 lbs 90c, 10 lbs $1..70

Golden Justice Sweet Corn.

SWEET CORN—Continued.

Livingston's New Early Sugar—See Novelties.

Morse's Golden Cream—See Novelties.

Bruce's Golden Justice—This fine Sweet Corn is unequalled in flavor, sweetness, tenderness, and other eating qualities, and is of fine table appearance. It is an early variety, growing about 5 feet in height, and the ears run from 6 to 9 inches, and are borne 2 to 3 on each stalk. It is very hardy, withstanding wet, cold weather at planting time, and light frosts when up. It is a rich, creamy yellow, of most tempting appearance, and bespeaks for the purchaser a rich treat, which is more than realized in the eating. It has been grown in Ontario for six years with splendid results, and those who have grown it or bought on the market want no other. Pkt. 10c, lb. 30c, 5 lbs. $1.40, 10 lbs. $2.50.

Golden Bantam—New—An early, hardy, productive variety, of fine quality and delicious flavor. It is a rich, cream yellow, deepening to orange-yellow when ripe. Pkt 10c, lb 30c, 5 lb $1.40, 10 lb $2.50.

The Cory—A standard first crop variety with gardeners and market growers. The ears are of good size and quality. Pkt. 5c, lb. 20c, 5 lbs. 90c, 10 lbs. $1.70.

Mammoth White Cory—A selection from Cory, of the same character in all respects, but superior in that it has a white cob and kernel. Pkt. 5c, lb. 20c, 5 lbs. 90c, 10 lbs. $1.70.

Early Evergreen—Has the good qualities of Stowell's Evergreen, and is considerably earlier. Pkt. 5c, lb. 20c, 5 lbs. 90c, 10 lbs. $1.70.

White Evergreen—A splendid pure paper white canning variety, holding its color after being canned. Pkt. 5c, lb. 20c, 5 lbs. 90c, 10 lbs. $1.70.

Crosby's Early—Rich, sugary flavor, very productive. Pkt. 5c, lb. 20c, 5 lbs. 90c, 10 lbs. $1.70.

Perry's Hybrid—An early variety, nearly as early as Minnesota, and ears much larger, each containing from 12 to 14 rows of kernels. Pkt. 5c, lb. 20c, 5 lbs. 90c, 10 lbs. $1.70.

Kendel's Early Giant—A second early variety, ears averaging 8 to 10 inches in length, with ten or more rows of large grains of rich sugary flavor. Pkt. 5c, lb. 20c, 5 lbs. 90c, 10 lbs. $1.70.

Improved Kickox—A second early, ears nearly as large as Mammoth, more productive, and is largely grown for canning. Pkt. 5c, lb. 20c, 5 lbs. 90c, 10 lbs. $1.70.

Country Gentleman—An exceptionally productive variety, bearing three to five ears on the stalk, and of the finest quality. The cob is very small, giving great depth to the kernels, which are of pearly whiteness, sweet and tender. Matures a little before Stowell's Evergreen. Pkt. 5c, lb. 20c, 5 lbs. 90c, 10 lbs. $1.70.

Selected Stowell's Evergreen—The standard variety, remaining green longer than any other kind. Pkt. 5c, lb. 20c, 5 lbs. 90c, 10 lbs. $1.70.

Mammoth—A late variety and the largest of all, productive and fine flavored. Pkt. 5c, lb. 20c, 5 lbs. 90c, 10 lbs. $1.70.

Black Mexican—A medium early, highly esteemed by many on account of its remarkable sweetness. Ears large, well filled with eight rows of large grains, which are a deep bluish-purple. Pkt. 5c, lb. 20c, 5 lbs. 90c, 10 lbs. $1.70.

Parching or Pop—Several varieties, red, black, white, etc. Per lb. 10c, 10 lbs. 90c, shelled.

CUCUMBER

Concombre, Fr. *Gurken*, Gr.

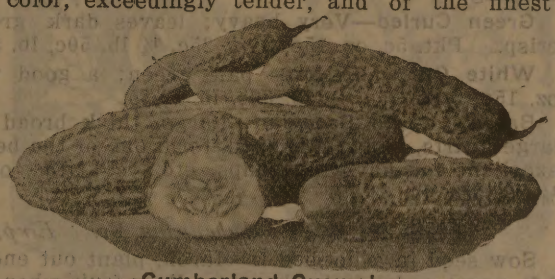
One ounce will plant fifty hills. Two or three pounds for one acre.

Open Air Culture—For general crops plant from the middle of May to the middle of June, in hills five feet apart each way, elevating the hills a little above the level of the ground. Put eight or ten seeds in each hill and cover them half an inch deep with fine soil, and press the earth a little over the seeds with the back of the hoe; keep the ground loose and clear of weeds, and in dry weather water occasionally. After they have obtained a vigorous growth, and the danger from insects is over, they should be thinned out, leaving four thrifty plants in a hill.

New Davis Perfect—This new Cucumber in size and shape resembles a hot-house variety. The fruits are long and slim, of a rich, dark, glossy green color, exceedingly tender, and of the finest flavor. Very productive. Pkt. 5c, oz. 20c, 2 oz. 30c, ¼ lb. 50c, lb. $1.75.

Cumberland—Of the hardy white spine type, it is a rapid and vigorous grower and very prolific in fruit. During the whole period of growth the form is exceptionally straight and symmetrical, thus being as fine a slicing variety as a pickling one. The flesh is firm, crisp and tender at all stages. Pkt. 5c, oz. 15c, 2 oz. 25c, ¼ lb. 40c, lb. $1.25.

Boston Pickling or Green Prolific—A popular variety, dark green, uniform small size. Pkt. 5c, oz. 15c, 2 oz. 25c, ¼ lb. 40c, lb. $1.25.



Cumberland Cucumber.

CUCUMBER—Continued.

Improved Long Green—Skin dark green, changing to yellow as the fruit approaches maturity; flesh white, somewhat seedy, but crisp, tender and fine flavored. Pkt. 5c, oz. 15c, 2 oz. 25c, ¼ lb. 40c, lb. $1.25.

Ideal Pickling—Of the short green type; pickles dark green in color; solid, crisp and brittle and of fine flavor, uniformly symmetrical in shape; immensely productive; vines shorter in habit of growth than other varieties; rows can be planted half the usual distance apart, increasing the yield per acre. Pkt. 5c, oz. 15c, 2 oz. 25c, ¼ lb. 40c, lb. $1.25.

Short Green or Early Cluster—A very popular early Cucumber, producing its fruit in clusters. Pkt. 5c, oz. 15c, 2 oz. 25c, ¼ lb. 40c, lb. $1.25.

Emerald—Its fruit sets early, and its vigorous vines abound in long, straight, handsome fruits, the flesh being peculiarly crisp and tender, and the flavor delicate. Highly recommended as a slicer. It is equally good for pickles. Pkt. 5c, oz. 20c, 2 oz. 30c, ¼ lb. 50c, lb. $1.75.

Improved Chicago Pickling—A very prolific variety, combining all the qualities desired by those who raise cucumbers for commercial pickles. Pkt. 5c, oz. 15c, 2 oz. 25c, ¼ lb. 40c, lb. ..25.

Chicago Pickling.

Paris Pickling—Fruits slim and slender, 3 to 5 inches in length, crisp and brittle, snap freely, and when ready for pickling show no signs of seeds. Pkt. 5c, oz. 20c, 2 oz. 30c, ¼ lb. 50c, lb. $1.75.

Early White Spine—The leading variety for early market; uniform in size, averaging 6 or 7 inches in length; straight, and of a rich, dark green color, flesh white, crisp, solid and of fine flavor. Pkt. 5c, oz. 15c, 2 oz. 25c, ¼ lb. 40c, lb. $1.25.

Arlington, or Improved Early White Spine—A very fine large fruited early strain, largely used for forcing by market gardeners; it is equally desirable as a garden or market variety, planted in the open ground. Pkt. 5c, oz. 15c, 2 oz. 25c, ¼ lb. 40c, lb. $1.25.

Fordhook Famous Pickling—This is one of the best and most prolific for producing pickles of medium size, both for home use and market. Pkt. 5c, oz. 20c, 2 oz. 30c, ¼ lb. 50c, lb. $1.75.

Everbearing—Very early, small size, and enormously productive, and valuable as a green pickler. Pkt. 5c, oz. 15c, 2 oz. 25c, ¼ lb. 40c, lb. $1.50.

Giant Pera—The green cucumbers are fit to eat at any stage of the growth, the flesh is very clear, crisp and brittle, and of fine flavor; fruit from 12 to 15 inches in length. Pkt. 5c, oz. 20c, 2 oz. 30c, ¼ lb. 50c, lb. $1.75.

Japanese Climbing—Fruit of medium size, well formed, and of dark green color; flesh very thick and of exquisite flavor. It can be grown as an ordinary ridge cucumber, or as a climber. Pkt. 5c, oz. 20c, 2 oz. 30c, ¼ lb. 50c, lb. $1.75.

West India Gherkins or Burr—Used only for pickles. Pkt. 5c, oz. 20c, 2 oz. 30c, ¼lb. 50c, lb $1.75.

English Gherkins—For pickles. Pkt. 5c, oz. 20c, 2 oz. 30c, ¼ lb. 50c, lb. $1.75.

Stockwood Ridge—A black spined variety, 12 to 18 inches long. Pkt. 5c, oz. 50c.

FRAME OR GREENHOUSE VARIETIES.

Under Glass Culture—Sow from middle of January, in soil that is slightly moist, and give little or no water until the seeds have germinated; when grown to three leaves plant out in previously prepared, loose rich soil. In forcing, the night temperatures should not be allowed to sink below 60 degrees, and the day heat should range from 70 to 80 degrees. Admit air in mild weather.

Lockie's Perfection—A beautiful green, of medium length and of unsurpassed flavor; a wonderful cropper. Pkt. 25c.

Telegraph—(Rollinson's)—Dark green in color; quick in growth, handsome and unusually prolific. One of the most reliable sorts. Pkt. 25c.

CRESS OR PEPPER GRASS *Cresson*, Fr. *Kresse*, Gr.

The curled and broad leaved varieties sow thickly in shallow drills every 2 weeks throughout the season; give occasional waterings in dry weather. Sow in a well prepared bed, and when rooted, transplant to the banks of a running stream.

Extra Curled—Best for salads. Pkt 5c, oz 10c, ¼lb 20c, lb 50c.

True Water—Pkt. 10c, oz. 60c, 2 o.. $1.00.

ENDIVE *Chicoree*, Fr. *Endivien*, Gr.

Sow in middle of July, in drills or beds; when up, thin out to stand 12 inches apart; when leaves are 6 to 8 inches long blanch them by gathering the leaves in the hand and tying them with matting.

Green Curled—Very heavy; leaves dark green, tender and crisp. Pkt. 5c, oz. 15c, 2 oz. 25c, ¼ lb. 50c, lb. $1.75.

White Curled—Leaves pale green; a good variety. Pkt. 5c, oz. 15c, 2 oz. 25c, ¼ lb. 50c, lb. $1.75.

Broad Leaved Batavian—Large, thi k broad leaves, it forms large hearts, which blanched, form one of the best winter salads; excellent for flavoring soups, etc. Pkt. 5c, oz. 15c, 2 oz. 25c, ¼ lb. 50c, lb. $1.75.

EGG PLANT *Aubergine*, Fr. *Eirpflanze*, Gr.

Sow seed in a hot-bed in March, plant out end of May in rows 2 ft. apart and 1 ft. in the rows. Bear fruit when about 15 in. high.

Black Beauty Egg Plant.

Leek.

EGG PLANT—Continued.

Burpee's Black Beauty—From 10 to 12 days earlier than New York Improved Purple. The fruits are broad and thick, of most attractive form, as shown in the illustration. The skin is a rich, lustrous purplish black. The fruits set freely, and are ready to market early, so that the entire crop can be gathered before there is danger of frost. Pkt. 10c, oz. 60c, 2 oz. $1.10, ¼ lb. $1.75.

New York Improved Round Purple—The leading variety; very large and productive. Pkt. 10c, oz. 60c, 2 oz. $1.00, ¼ lb. $1.50, lb. $5 00.

Long Purple—Very hardy; early and productive. Pkt. 5c, oz. 40c, 2 oz. 60c ,¼ lb. $1.00, lb. $3.00.

GARLIC *Ail*, Fr.

Plant in rows 6 inches apart and about 2 inches deep; leave a foot between the rows; when the leaves turn yellow take up the crop. It is used extensively for seasoning pickles, etc.

Large Canadian Sets—¼ lb 15c, lb. 35c, paid to Canadian points.

KOHL-RABI, TURNIP - ROOTED CABBAGE

Chou Rave, Fr. *Kohl Rabi*, Gr.

Sow in spring in rows 18 inches apart, afterwards thinning to 8 inches; cooked same as cabbage.

Early Purple Vienna—Very popular sort. Pkt. 5c, oz. 20c, 2 oz. 35c, ¼ lb. 60c, lb. $2.00.

Early White Vienna—Handsome, delicate flavor. Pkt. 5c, oz. 20c, 2 oz. 35c, ¼ lb. 60c, lb. $2.00.

LEEK *Poireau*, Fr. *Lauch*, Gr.

Sow early in the spring in drills or beds; when the plants are 8 or 10 inches high, transplant them in rows 6 inches apart and 12 inches between the rows. Plant at least 6 inches deep to have them well blanched. By many they are preferred to onions for soups, etc.

Extra Large Carentan—Very hardy, extraordinary size. Pkt 5c, oz 15c, 2 oz 25c, ¼lb 40c, lb $1.50.

LETTUCE *Laitue*, Fr. *Lattich or Garten Salat*, Gr.

One ounce will sow a row of 100 feet.

For early use sow in hot beds in February, and for general use as early in the spring as the ground can be worked, in a well prepared bed or drills; thin or transplant to one foot apart for heading. A sowing should be made at intervals throughout the season for succession.

New Wayahead—See Novelties.

Unrivalled or Improved Big Boston—This is a most desirable variety, whether grown in the open ground for summer or fall use, or in frames for spring and early summer. The heads are large and solid, color yellowish, leaves tender, crisp and sweet. Pkt. 5c, oz. 20c, 2 oz. 35c, ¼lb. 60c, lb. $2.00.

Early May King—A very early and extra fine heading cabbage lettuce for early spring planting in the open ground. The plants grow quickly to a diameter of 6 or 7 inches, with the outer leaves very closely folded about the round, solid head. The outer leaves are light green, slightly tinged with brown, the inner leaves being bright, golden yellow, with a rich, buttery flavor. Pkt. 5c, oz. 20c, 2 oz. 35c, ¼ lb. 60c, lb. $2.00.

Grand Rapids—This variety is best adapted for forcing. Leaves medium size, of light yellowish-green color, much crimped and frilled, forms a fair sized but loose head, crisp and of good quality. Owing to its upright habit it may be planted very closely. A good shipper. Pkt. 5c, oz. 20c, 2 oz. 35c, ¼ lb. 60c, lb $2.00.

Bruce's Nonpareil Cabbage—This well-known variety has proved itself during the past 40 years to be one of the best Lettuces for outdoor cultivation, and for forcing in the greenhouse it has no equal; in color it is a beautiful yellowish-green, the heads being large, solid, and of the finest quality. Pkt. 5c, oz. 20c, 2 oz. 35c, ¼ lb. 60c, lb. $2.00.

The Gardener's Favorite (Hamilton Market)—A standard variety for forcing or outdoor cultivation; crisp, sweet and tender. Color yellowish-green, heads large and solid. Pkt. 5c, oz. 20c, 2 oz. 35c, ¼ lb. 60c, lb. $2.00.

Hanson—A well-known variety; heads large. Pkt. 5c, oz. 20c, 2 oz. 35c, ¼ lb. 60c, lb. $2.00.

Early Curled Simpson (Silesia)—Very early and good for forcing. Pkt. 5c, oz. 20c, 2 oz. 35c, ¼ lb. 60c, lb. $2.00.

Black Seeded Simpson—A good forcing variety. Pkt. 5c, oz. 20c, 2 oz. 35c, ¼ lb. 60c, lb. $2.00.

Prizehead—An early variety, with large, loose heads, which are green in color, tinged with brown. Pkt. 5c, oz. 20c, 2 oz. 35c, ¼ lb. 60c, lb. $2.00.

Boston Market or Tennis Ball—One of the earliest, heads small, solid, crisp, and fine flavored. Pkt. 5c, oz. 20c, 2 oz. 35c, ¼ lb. 60c, lb. $2.00.

Brown Dutch—Very hardy, splendid for winter use. Pkt. 5c, oz. 20c, 2 oz. 35c, ¼ lb. 60c, lb. $2.00.

Paris White Cos—Finest form of lettuce of the Cos type. Pkt. 5c, oz. 20c, 2 oz. 35c, ¼ lb. 60c, lb. $2.00.

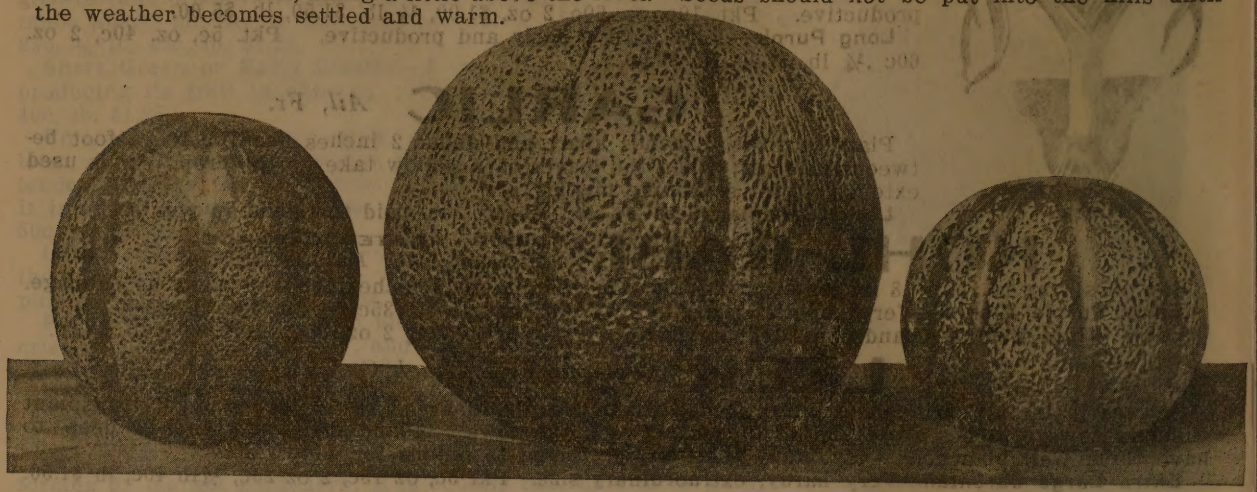
Detroit Market Gardeners' Forcing—Seed white. A variety quite similar to the Grand Rapids in general character, but it will stand higher temperature and so can be crowded to maturity a little quicker. The leaves are not quite so tender and brittle as those of the Grand Rapids. Pkt. 5c, oz. 20c, 2 oz. 35c, ¼ lb. 60c, lb. $2.00.

Bruce's Nonpareil Lettuce.

MUSK MELON *Melon*, Fr. *Melone*, Gr.

One ounce will plant about 60 hills; 3 lbs. to the acre.

Culture—Plant middle of May, in hills six feet apart each way, eight to ten seeds in each, and thin out to three or four plants when in a state of forwardness. To grow good melons the hills should be prepared by digging out the soil from one and a half to two feet deep, and two or three feet broad, according to the richness of the land. Add a very liberal quantity of best decomposed manure, and mix well with soil, filling a little above the level. Seeds should not be put into the hills until the weather becomes settled and warm.



The Grand. Unsworth's Perfect. Sundae Canteloupe.

The "Hoodoo"—A new extra early orange fleshed variety. See Novelties.

The Grand—Originated in Michigan. The grower claims for this melon: It is 10 to 14 days earlier than Osage, is salmon fleshed, and in flavor and quality equals any other variety; grows more uniform in size, flavor and depth of flesh; is a first-class shipping melon, not cracking at blossom end; sets fruit near the root, has a more vigorous vine, therefore resists disease better than most sorts; it is just the right size, averaging about six inches in diameter, and averages two pounds in weight. Pkt. 5c, oz. 20c, 2 oz. 35c, ¼ lb. 60c, lb. $2.00.

Bruce's Sundae Canteloupe—An extra early, finely netted green fleshed variety, of delicious flavor, and a splendid shipper, just the size for ice cream parlors and hotels, where half a melon is served to each individual. Its appearance is most attractive, and eating quality unsurpassed. Average weight, 1½ lbs. each. Pkt. 5c, oz. 20c, 2 oz. 35c, ¼ lb. 60c, lb. $2.00.

Unsworth's Perfect—This fine variety is of local origin, and in this vicinity, where melons are grown on an extensive scale for shipment to other markets, it is the favorite of the planter as well as the consumer. It is a finely netted green flesh melon of the Hackensack type, early, productive, of exquisite flavor and handsome appearance. It is very important to those who grow melons to get their fruit early on the market, and the system usually adopted by the growers here is to sow the seeds in hot-beds about the 15th of May and plant them in the open ground the beginning of June, and as the seeds are placed in sod the roots are not disturbed when transplanting. Pkt. 5c, oz. 20c, 2 oz. 35c, ¼ lb. 60c, lb. $2.00.

Defender—A salmon fleshed variety, medium size and of exquisite flavor. The fruits are oval in shape, slightly ribbed, and are covered with a slight netting. The flesh is firm, fine grained, rich, deep yellow, darker than the Osage and better flavor. The vine is vigorous and productive, and the fruits, because of their hard, firm rind, are remarkably good keepers. Pkt. 5c, oz. 20c, 2 oz. 35c, ¼ lb. 60c, lb. $2.00.

Rocky Ford—This extra early variety is now extensively planted by the growers in the vicinity of Hamilton, a section noted for its fine Musk Melons. Oval in shape and beautifully netted. The melons average about five inches in length and are of most delicious flavor. Flesh is smooth grained and light green color. Pkt. 5c, oz. 20c, 2 oz. 35c, ¼ lb. 60c, lb. $2.00.

Long Island Beauty—Early, of good size, flattish in shape, well netted, and with sweet, green thick flesh of delicious flavor. Pkt. 5c, oz. 20c, 2 oz. 35c, ¼ lb. 60c, lb. $2.00.

Montreal Improved Green Nutmeg—This variety grows to a large size, beautifully netted and deeply ribbed, flesh light green, melting, and exquisite flavor. Pkt. 5c, oz. 20c, 2 oz. 35c, ¼ lb. 60c, lb. $2.00.

The Princess—Fruit nearly round, with heavily netted dark green skin; the flesh is of a rich salmon color, and the flavor is sweet beyond description. Pkt. 5c, oz. 20c, 2 oz. 35c, ¼ lb. 60c, lb. $2.00.

Osage, or Miller's Cream—Flesh is rich salmon color, very thick, sweet, rich and delicious. It has a thin rind, finely netted, a vigorou grower and very productive. Pkt. 5c, oz. 20c, 2 oz. 35c, ¼ lb. 60c, lb. $2.00.

Early Hackensack—A standard variety, of good size, flesh green, very sweet and sugary. Pkt. 5c, oz .20c, 2 oz. 35c, ¼ lb. 60c, lb. $2.00.

Paul Rose—The flesh is salmon in color, extra deep, and of the most delicious flavor. They are wonderfully uniform in size and appearance, the average weight being 1½ lbs. Pkt. 5c, oz. 20c, 2 oz. 35c, ¼ lb. 60c, lb. $2.00.

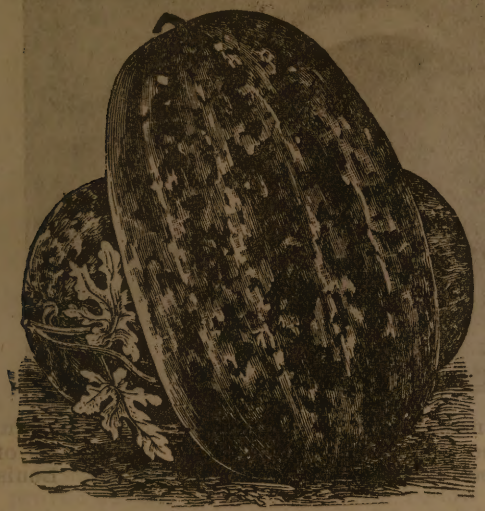
Emerald Gem—Small, early, productive, sweet salmon flesh; smooth skin. Pkt. 5c, oz. 20c, 2 oz. 35c, ¼ lb. 60c, lb. $2.00.

New Burrell Gem Musk Melon—The melons are six inches long by four inches in diameter, rather sharply sloping at the ends. They are quite well ribbed and covered with a fine grayish netting. The skin is a rich, dark green, contrasting finely with the deep orange-salmon color flesh, which is sweet, tender, thick, and firm, ripening close to the skin, leaving only a thin rind. Pkt. 5c, oz. 20c, 2 oz. 35c, ¼ lb. 60c, lb. $2.00.

WATERMELON *Melone d'eau*, Fr. *Wasser Melone*, Gr.

One ounce for every 30 hills; 4 to 5 lbs. per acre.

The Water Melon is purely a tropical plant, greatly appreciated for its refreshing coolness and delicious flavor. Cultivate same as musk varieties, only that the hills should be 8 ft. apart each way



Peerless Water Melon.

Peerless—An extra early variety of medium size, thin rind, light mottled green; flesh bright scarlet. Pkt. 5c, oz. 15c, 2 oz. 25c, ¼ lb. 40c, lb. $1.25.

Cole's Early—Early, hardy and a sure cropper, of medium size, nearly round, flesh dark red. Pkt. 5c, oz. 15c, 2 oz. 25c, ¼ lb. 40c, lb. $1.25.

Phinney's Early—An early, hardy and productive red fleshed variety. Pkt. 5c, oz. 15c, 2 oz. 25c, ¼ lb. 40c, lb. $1.25.

Cuban Queen—Flesh bright red, remarkably solid, crisp and sugary, and delicious flavor. Pkt. 5c, oz. 15c, 2 oz. 25c, ¼ lb. 40c, lb. $1.25.

Kleckley Sweets—Large oblong Melons, 20 inches in length by 10 to 12 inches in diameter, somewhat tapering at the ends. The skin is dark green, flesh bright scarlet, ripening close to the skin, the rind being only about one-half inch in thickness. The white seeds are placed close to the rind. Flesh crisp and sugary; the sweetest of all large Water Melons. Pkt. 5c, oz. 15c, 2 oz. 25c, ¼ lb. 40c, lb. $1.25.

Hungarian Honey—One of the most luscious varieties, and at the same time ripens early; is of good size, perfectly round and productive; skin a handsome medium dark green, flesh bright red. Pkt. 5c, oz. 15c, 2 oz. 25c, ¼ lb. 40c, lb. $1.25.

Iceberg—This is the hardiest Melon we know of, admitting of earlier planting than any other variety. Melons ripen very early, are uniformly large, of thick, oval form, rich dark green skin, with faint striping of a lighter shade; flesh rich deep pink, crisp and melting, remarkably sweet sugary flavor. Pkt. 5c, oz. 15c, 2 oz. 25c, ¼ lb. 40c, lb. $1.25.

Dixie—A cross between Kolb's Gem and Mountain Sweet, surpassing the former in shipping qualities, and fully equalling the latter in flavor, being a week or ten days earlier than either. Pkt. 5c, oz. 15c, 2 oz. 25c, ¼ lb. 40c, lb. $1.25.

Sweetheart—Early, uniformly large, handsome and productive. As a shipper and long keeper it has no equal. Fruit is oval, heavy, and mottled light green. Flesh bright red, firm and solid, but very tender. A profitable variety for market gardeners. Pkt. 5c, oz. 15c, 2 oz. 25c, ¼ lb. 40c, lb. $1.25.

Black Boulder—Nearly round, of immense size and great productiveness. Its color, a rich, dark, glossy green, almost black, makes it very attractive; the flesh is deep scarlet, sweet and juicy. A splendid shipper and all round good melon. Pkt. 5c, oz. 15c, 2 oz. 25c, ¼ lb. 40c, lb. $1.25.

Kolb's Gem, or American Champion—It attains a weight of from 25 to 50 lbs. Its flavor and its keeping qualities are the best. Pkt. 5c, oz. 15c, 2 oz. 25c, ¼ lb. 40c, lb. $1.25.

The Boss—Oblong in shape, skin dark green, flesh deep scarlet and of rich flavor; early, heavy, productive, and a good shipper; a favorite with market growers. Pkt. 5c, oz. 15c, 2 oz. 25c, ¼ lb. 40c, lb. $1.25.

McIvor's Wonder—A fine shipper, handsome, and of good quality, oblong shape, averaging 20 inches in length; skin striped light green on dark ground; flesh pale pink, crisp and sweet. Pkt. 5c, oz. 15c, 2 oz. 25c, ¼ lb. 40c, lb. $1.25.

Sweetheart Water Melon.

Citron, Colorado Preserving—Of large size, very productive, and excellent quality. Green seed. Pkt. 5c, oz. 15c, 2 oz. 25c, ¼ lb. 40c, lb. $1.25.

Citron—Fruit round, flesh white and solid; used for making preserves only. Red seed. Pkt. 5c, oz. 15c, 2 oz. 25c, ¼ lb. 40c, lb. $1.25.

MUSTARD *Moutarde*, Fr. *Senf*, Gr.

For early salad sow in hot-beds in February and March; and for general crops at intervals throughout the season in shallow drills 6 inches apart. **White**, for salad, pkt. 5c, oz. 10c, ¼ lb. 15c, lb. 40c.

Chinese, or Giant Curled—The leaves are twice the size of the ordinary, while the flavor is sweet and pungent. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. $1.00.

MUSHROOM SPAWN *Blanc Champignon*, Fr. *Essbarre Blatter Schwamme*, Gr.

Mushrooms can be grown in any cool, shady situation out of doors in the summer time, and during the winter months in any greenhouse, shed or cellar where the temperature does not fall below 45 deg., and is tolerably uniform. These are possibly the most profitable crop for the outlay that can be grown. The spawn we offer can be thoroughly relied on to produce a good crop of the best mushrooms. Directions for cultivation accompany each order.

MUSHROOM SPAWN—Continued.

Lambert's Pure Culture Spawn—An American product, made from carefully selected spawn, which it is claimed is much more vigorous than the imported article, and will produce Mushrooms of a very superior quality and flavor. This spawn received the highest award at the St. Louis Exposition in competition with all other spawn.

Bricks are of two kinds, **Standard** bricks and **Direct** bricks. The standard brick is inoculated from a pure culture transfer. The direct brick is inoculated directly from the pure culture, as raised in the laboratory without intermediate transfer.

Standard Bricks (White Mushrooms)—Per brick, 25c; per dozen, $2.50.

Direct Bricks (Light Brown Mushroom)—Per brick, 35c; per dozen, $3.60.

If to be sent by mail add 10c a brick for postage within the Dominion of Canada, and 25c to Newfoundland and the United States.

One brick of Lambert's Spawn weighs from 1¼ to 1½ lbs., and will be sufficient to spawn about one square yard of bed.

Book on Mushroom Culture and Pure Culture Spawn 15c, or free with orders of ½ doz. or more bricks.

French Virgin Spawn—Virgin Spawn is characterized by its great vigor of growth, and being raised from spores of the best and healthiest mushrooms, it does not contain any of the bacterial or other organisms which may be prevalent in spawn that has not been manufactured and sterilized by this new process, sold in the form of compressed and sterilized manure slabs and tablets, thoroughly pervaded by the spawn, and which are 1½ inch thick and 2¾x3¾ inches in surface. 15c tablet, $1.50 a doz. If by mail add 15c dozen to Canadian points and 30c dozen to Newfoundland and the United States.

Fresh English Milltrack Spawn in bricks, 20c each, 5 for 90c, 12 for $1.80. If to be sent by mail add 10c a brick for postage within the Dominion of Canada, and 25c to Newfoundland and the U. S.

ONION

Ognon, Fr. *Zwiebeln*, Gr.

One ounce will sow a row of 100 feet; 5 lbs. to the acre.

Onion seed is sown from the first of April to middle of May, the earlier the better, provided the ground is light enough to work dry and fine. Rich soil, with a good application of manure every year, and proper attention, will almost invariably insure a good crop. Onions, unlike most other crops, may be raised on the same ground for an indefinite length of time. Onion sets and tops are placed on the surface in shallow 12 inch drills, about four inches apart, but not covered.

Bruce's Model Yellow Globe Danvers—This improved variety is the best of the Yellow Globe varieties, large in size, the skin is bright, glossy golden yellow, and the flesh is white, and fine grained. The bulbs are remarkably uniform in size and shape, and being firm and hard, possess fine keeping and shipping qualities. The most profitable variety for market gardeners. Pkt. 5c, oz. 20c, 2 oz. 35c, ¼ lb. 50c, lb. $1.75.

Danvers Yellow Globe—A fine variety; above the medium size, globular in form, skin yellowish brown, flesh white; mild and well flavored; very productive. Pkt. 5c, oz. 15c, 2 oz. 25c, ¼ lb. 40c, lb. $1.50.

Southport Yellow Globe—The handsomest of American varieties, perfect shape, large, solid, splendid yielder and keeper. Pkt. 5c, oz. 20c, 2 oz. 35c, ¼ lb. 50c, lb. $1.75.

Danvers Yellow Flat—Similar to the Yellow Globe, but flat in shape. Pkt. 5c, oz. 15c, 2 oz. 25c, ¼ lb. 40c, lb. $1.50.

Ailsa Craig—This is a splendid exhibition variety, and if transplanted grows to an immense size. It is a very large oval shaped variety, with light straw colored skin. Pkt. 10c, oz. 50c, 2 oz. 90c, ¼ lb. $1.50, lb. $5.00.

Giant Prizetaker—American grown. This variety may be grown to an enormous size by sowing the seed in a hot-bed in February or March, and transplanting out as soon as the ground is in condition, some of our customers exhibiting specimens weighing as much as 3 lbs. each and measuring 18 inches in circumference. Globe shaped, of a rich straw color, solid, and an excellent keeper; flesh white, in flavor mild and sweet. Pkt. 5c, oz. 20c, 2 oz. 35c, ¼ lb. 50c, lb. $1.75.

NEAPOLITAN ONIONS.

Giant White Tripoli—Large and handsome. Pkt. 5c, oz. 25c, 2 oz. 40c, ¼ lb. 75c, lb. $2.50.

Mammoth Silver King—An extra large white skinned and white fleshed variety. It matures early. In shape somewhat flat, and of an exceedingly mild and delicate flavor. Pkt. 5c, oz. 25c, 2 oz. 40c, ¼ lb. 75c, lb. $2.50.

Giant Rocca—Large globular shaped, light brown skin. Pkt. 5c, oz. 20c, 2 oz. 30c, ¼ lb. 50c, lb. $1.60.

PICKLING ONIONS.

Small Silver Skin Pickling—A standard variety, largely grown for pickles. Pkt. 5c, oz. 25c, 2 oz. 40c, ¼ lb. 75c, lb. $2.50.

ONIONS—Continued.

Yellow Dutch or Strasburg—Very flat and productive. Pkt. 5c, oz. 15c, 2 oz. 25c, ¼ lb. 40c, lb. $1.50.

Extra Early Australian Yellow Globe—A new yellow strain of the popular Australian Brown. It is globe shaped, of medium size and very solid; skin a light brownish yellow. The flesh is pure white and mild in flavor. Thin necked, they ripen evenly and quickly in all soils and possess remarkable keeping qualities. Pkt. 5c, oz. 20c, 2 oz. 35c, ¼ lb. 50c, lb. $1.75.

Large Red Wethersfield—Skin deep purplish red; flesh purplish white; fine grained and stronger flavor than that of the yellow and early red varieties; productive, and one of the best to keep. Pkt. 5c, oz. 20c, 2 oz. 35c, ¼ lb. 60c, lb. $2.

Southport Red Globe—Skin deep red, flesh white, mild and tender; handsome in appearance. Pkt. 5c, oz. 20c, 2 oz. 35c, ¼ lb. 50c, lb. $1.75.

Extra Early Flat Red—Resembles the Wethersfield in color, but much earlier; valuable for heavy late soils. Pkt. 5c, oz. 20c, 2 oz. 35c, ¼ lb. 60c, lb. $2.00.

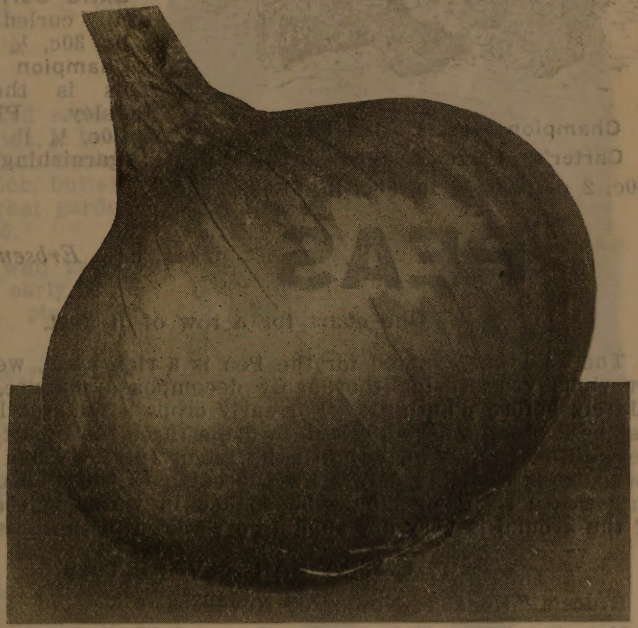
Imperial Brown Globe—The shape of this new strain is a true and uniform very deep globe; color rich, seal brown, skin thick, and flesh white, firm and fine grained. Has the extra long keeping qualities of the Australian Brown. Pkt. 5c, oz. 20c, 2 oz. 35c, ¼ lb. 50c, lb. $1.75.

Australian Brown—Of good marketable size, it ripens earlier than Yellow Danvers or Red Wethersfield. The outside skin is of a deep, amber brown, distinct from all other onions, and it is extremely hard and firm, and of a fine flavor, and is the best keeper of all onions. Pkt. 5c, oz. 15c, 2 oz. 25c, ¼ lb. 40c, lb. $1.50.

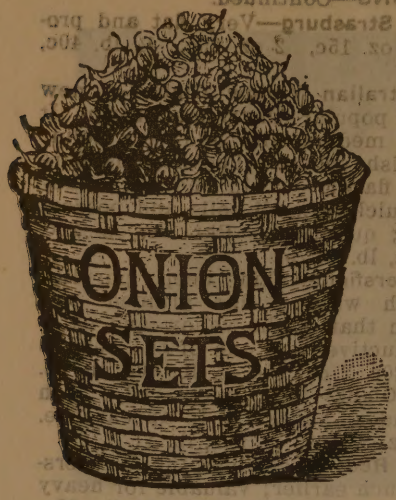
White Globe—A large, globe-shaped variety; very solid, of mild flavor and good keeper; clear white skin. Commands highest market price. Pkt. 5c, oz. 30c, 2 oz. 50c, ¼ lb. 90c, lb. $3.40.

White Portugal—Large, flat, mild, fine for early winter. Pkt. 5c, oz. 30c, 2 oz. 50c, ¼ lb. 85c, lb. $3.

White Welsh—This variety is grown exclusively for bunching, or green onions. Very mild and delicate flavored. Pkt. 5c, oz. 25c, 2 oz. 40c, ¼ lb. 65c, lb. $2.25.



Giant Prizetaker Onion.



ONION—Continued.

White Barletta—An extra early, small, white skinned variety, flesh pure white; very mild in flavor; excellent for pickling. Pkt. 5c, oz. 25c, 2 oz. 40c, ¼ lb. 75c, lb. $2.50.

Queen—This is another extra early variety; small, flat and mild flavored. Pkt. 5c, oz. 25c, 2 oz. 40c, ¼ lb. 75c, lb. $2 50.

ONION SETS

When wanted in large quantities write for special quotations.

English Potato	We give Heaped Measure	Per qt. 20c
White Potato		" 20c
Dutch Sets—White		" 20c
Dutch Sets—Yellow		" 15c
Shallots		" 15c
Top or Button		" 25c

When sets are to be mailed, postage must be added at the rate of 10c per quart within the Dominion of Canada and 25c per quart to Newfoundland and the United States.

Hollow Crown Parsnip

OKRA *Gombo*, Fr. *Safran*, Gr.

Plant late in the spring (after the ground has become warm), in drills two and a half feet apart; thin out to 9 inches in the row. Use the pods when green and tender.

Dwarf Green—Round, smooth pods. Pkt. 5c, oz. 20c, 2 oz. 35c, ¼ lb. 60c, lb. $2.

PARSNIP *Panais*, Fr. *Pastinaken*, Gr.

Sow as early as the ground will permit in very rich, loamy soil, in rows fifteen inches apart, and thin to seven inches in the row. The roots are very hardy, and are greatly improved by remaining in ground through winter.

Bruce's Improved Hollow Crown—A decided improvement on the old variety; roots finely shaped and flavor excellent. Pkt. 5c, oz. 15c, 2 oz. 25c, ¼ lb. 35c, lb. $1.25.

The Student—Well known variety, fine flavor. Pkt. 5c, oz. 15c, 2 oz. 25c, ¼ lb. 35c, lb. $1.25.

PARSLEY *Persil*, Fr. *Petersilie*, Gr.

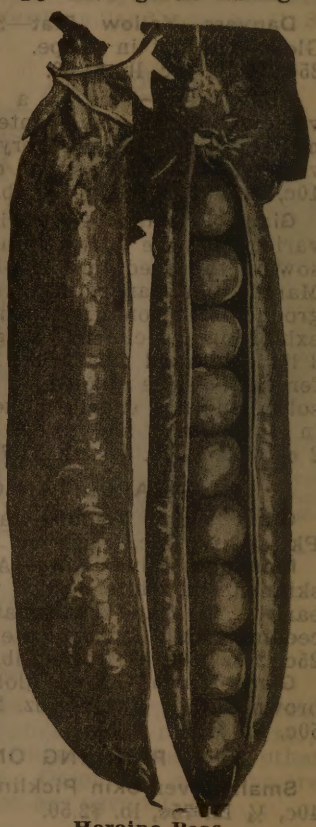
Sow early in the spring in drills 12 inches apart, thin out the plants to 6 inches apart. To have green during the winter remove plants into a box and place in a light cellar or cold frame.

Champion Moss Curled Parsley.

Extra Curled—Leaves beautifully curled. Pkt. 5c, oz. 20c, 2 oz. 30c, ¼ lb. 50c, lb. $1.50.

Champion Moss Curled—This is the perfection of Parsley. Pkt. 5c, oz. 20c, 2 oz. 30c, ¼ lb. 50c, lb. $1.50.

Carter's Fern Leaved—Invaluable for garnishing. Pkt. 5c, oz. 20c, 2 oz. 30c, ¼ lb. 50c, lb. $1.50.



Heroine Peas.

PEAS *Pois*, Fr. *Erbsen*, Gr.

One quart for a row of 75 feet.

The soil best adapted for the Pea is a rich loam, well manured the previous year (using thoroughly decomposed manure, if any, immediately before planting). For early crops sow as early in the spring as the ground can be worked, in drills three feet apart, and for a succession every two weeks until the 1st of July. When they are about two inches high begin to draw the earth to the stems. Hoe often in dry weather. Peas should be soaked in water before planting, and if the ground is very dry should be watered in the hills.

EXTRA EARLY VARIETIES.

Bruce's "Regal"—New—See Novelties.

Velocity—New—Extra early—A round blue pea, not so large or sweet as the wrinkled varieties, but its extrme earliness makes it very valuable. It combines the merits of the extra early varieties. Grows about two feet high. ¼ pint, 15c, pint 35c, quart 60c, peck $4.50.

PEAS—Early Varieties—Continued.

Bruce's Unrivalled Pea.

Bruce's Early Settler—See Novelties.

The Pilot—New Extra Early—Producing deep green pods of the well-known Gradus type. It is a hardy, vigorous branching plant, growing 3 feet in height, and bears throughout the length of the haulm a large proportion of pods in pairs, which contain five deep green peas of exquisite flavor. The best of all early round-seeded varieties. ¼ pint 15c, pint 45c, quart 80c, peck $6.00.

Bruce's Unrivalled—New—In shape of pod and habit of growth it may best be described as a more robust form of American Wonder, growing five or six inches higher, and about ten days later. The pods, which are of the same brilliant deep green color as the plant, are produced in great profusion, each completely packed with 8 to 10 large and very sweet flavored peas. ¼ pint 15c, pint 45c, quart 80c, peck $6.00.

Thomas Laxton—A new variety, producing large pods in abundance. The quality is delicious and cannot be surpassed by any other variety. It will mature fully as early as any of the extra early smooth peas, and being a wrinkled sort is much sweeter, and is an improvement on Gradus, being earlier, hardier and darker. ¼ pint 15c, pint 45c, quart 80c, peck $6.00.

Gradus—Pods are as large and well filled as Stratagem, with peas of exquisite flavor. The vine has heavy stems ,with large, dark green leaves, and grows to a height of 3 feet; pods large, nearly round, and of a deep green color. ¼ pint 15c, pint 45c, quart 80c, peck $6.00.

Bruce's Early Conqueror—This well known variety surpasses all other Peas as to earliness. Prolific cropper, bearing large pods; ripens up with wonderful uniformity, making it the most profitable early pea for market gardeners to grow. Height 2 feet. ¼ pint 15c, pint 35c, quart 60c, peck $4.50.

Alaska—One of the earliest blue varieties, productive, and a good canner. Height 1½ feet. ¼ pint 15c, pint 35c, quart 60, peck $4.50.

American Wonder—This variety is justly entitled to take first position at the head of the list of Extra Early Dwarf Wrinkled Peas, and stands unrivalled in point of productiveness, flavor and quality. Height 10 to 12 inches, with a very branching habit. ¼ pint 15c, pint 45c, quart 80c, peck $6.00.

Nott's Excelsior—A splendid extra early, a few days later than the American Wonder, but pods larger, very prolific and of splendid flavor. Height 1 foot. ¼ pint 15c, pint 45c, quart 80c, peck $6.00.

SECOND EARLY VARIETIES.

Heroine—One of the best large green wrinkled sorts of recent introduction. Growing about 2½ feet high, it bears a profusion of large pointed pods, many of which contain from 8 to 9 large peas of the finest quality; rich, buttery, marrow-like flavor. A profitable pea for market gardeners. ¼ pint 15c, pint 40c, quart 70c, peck $5.25.

McLean's Little Gem—This Pea is now a well known standard variety. It is one of the best dwarf early sorts, and of exquisite flavor. Height 1 foot. ¼ pint 15c, pint 40c, quart 70c, peck $5.25.

Horsford's Market Garden—A wrinkled variety, prolific bearer; pods medium size, numerous and well filled with peas of a delicious flavor. ¼ pint 15c, pint 35c, quart 60c, peck $4.50.

McLean's Advancer—A dwarf, green wrinkled variety of fine flavor. The best canner. ¼ pint 15c, pint 40c, quart 70c, peck $5.25.

GENERAL CROP—See next page.

NOTICE—Whenever Vegetable Seeds are priced at over 15c per oz. we put up and can supply ½ ounces at ½ the ounce price unless specially priced.

New Pea—Thomas Laxton.

Pea—Telephone.

GENERAL CROP

Telephone—Immensely productive and of the finest quality. Vines very strong, averaging 18 to 20 pods per stalk; the pods are of large size, containing 6 to 7 peas each, which are of pale green color, and are closely packed in the pod and of most delicious flavor; 4 feet. ½ pint 15c, pint 40c, quart 70c, peck $5.25.

Champion of England—Good for general crop, very fine flavor; height 4 feet. ¼ pint 15c, pint 35c, quart 60c, peck $4.50.

Improved Stratagem—One of the best of the many English Peas. It grows to a height of two feet, and plant is literally covered with immense pods, many measuring six inches in length and frequently containing ten large fine flavored peas. ¼ pint 15c, pint 40c, quart 70c, peck $5.25.

Bruce's C. P. R.—The best main crop, blue, wrinkled marrow pea. It grows about two feet high, of a sturdy, branching habit, and it requires to be sown thinly, as the pods are produced from the very bottom of the plant to the top. The pods are large and slightly curved, and filled with peas of a fine deep green color and of the most delicious flavor. ¼ pint 15c, pint 40c, quart 70c, pk. $5.25.

Bruce's Improved C. P. R.—See Novelties.

Sugar, or Edible Podded—The pods are cooked like String Beans. If used when about half grown they are deliciously tender and sweet. ¼ pint 20c, pint 60c, qt. $1.10.

Large White Marrowfat—Great bearer, large pods. Pint 10c, quart 15c, peck 60c, bushel $2.00.

Black-Eyed Marrowfat—A very prolific first-rate variety. Pint 10c, quart 15c, peck 60c, bushel $2.00.

When Peas are to be sent by mail, add postage at the rate of five cents per pint within the Dominion of Canada, and sixteen cents per pint to Newfoundland and the United States.

PEPPER

Piment, Fr. *Spanischer Pfeffer*, Gr.

Sow early in the spring in a hot-bed, and transplant end of May in rows 18 inches apart and 10 inches in the row, and earth up a little at one or two hoeings.

Neapolitan—New—This is the earliest of all large mild red peppers, and the most productive. The plants are strong and vigorous and bear their handsome fruits continuously throughout the season. The skin and flesh are bright red; they are thick-meated and very mild. Pkt. 5c, oz. 50c.

Chinese Giant—Undoubtedly the largest sweet pepper. The plant is of strong, vigorous growth, about two feet high when fully grown, and a very prolific bearer of large peppers, which are of a bright scarlet color when ripe. The flesh is quite thick, very mild and remarkably sweet. Pkt. 10c, oz. 75c.

Chili—Pods pendant, shape conical, about two inches in length; very piquant. Pkt. 5c, oz. 40c.

Bell, or Bull Nose—A large, early variety, sweet and mild. Pkt. 5c, oz. 40c.

Long Red—Pods brilliant red, and three or four inches in length; very productive. Pkt. 5c, oz. 40c.

Mammoth Golden Queen—The largest of the yellow varieties. Pkt. 5c, oz. 40c.

Mammoth Spanish—One of the largest and earliest varieties. Flesh is sweet and mild. Pkt. 5c, oz. 40c.

Monstrous, or Grossum—A remarkably fine variety, growing to a large size. Pkt. 5c, oz. 40c.

Procopp's Giant—Very large, thick fleshed, scarlet variety. Pkt. 5c, oz. 40c.

Ruby King—Beautiful bright red; fruit very large and mild. One of the best. Pkt. 5c, oz. 40c.

Cayenne—Pods are small, cone shaped, coral red when ripe. Pkt. 5c, oz. 40c.

Cherry—Pods of fruit erect, nearly globular, cherry form; of deep, rich, glossy scarlet. Pkt. 5c, oz. 40c.

Ruby King Pepper.

PUMPKIN. *Potiron*, Fr. *Kurbis*, Gr.

Plant middle of May in manured hills, eight feet apart, and leave but two or three plants in a hill.

Cheese—Medium size, one of the best for cooking purposes. Pkt. 5c, oz. 10c, 2 oz. 15c, ¼ lb. 30c, lb. $1.00.

Sugar—Average about 10 inches in diameter, flattened or slightly ribbed, skin orange-yellow, flesh sweet, splendid keeper. Pkt. 5c, oz. 10c, 2 oz. 15c, ¼lb. 30c, lb. $1.00.

Large Yellow—Better adapted for feeding purposes than for cooking. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 50c.

King of Mammoth or Jumbo—Can be grown to an enormous size; flesh fine grained and of excellent quality. Pkt. 10c, oz. 25c, 2 oz. 40c, ¼ lb. 75c, lb. $2.50.

Japanese Pie—Crooknecked variety, productive, ripens early, medium size, good keeper. Pkt. 5c, oz. 20c, 2 oz. 35c, ¼ lb. 60c, lb. $1.75.

King of Mammoth Pumpkin.

SELECTED SEED POTATOES

Pomme de Terre, Fr. *Kartoffel*, Gr.

New Golden Gem—See Novelties.

Irish Cobbler—Popular early, of good quality.

Extra Early Bovee—An early, wonderfully productive variety of excellent quality. Skin flesh color.

Extra Early Ohio—A fine early potato of vigorous growth and superior quality. Skin pink.

Extra Early Eureka—A white skinned early variety of good quality.

Noroton Beauty (Quick Lunch)—By far the most productive early, yielding as heavily as any of the medium early sorts. It is handsome in appearance and most uniform in size and shape, with white skin and pink eyes, and it keeps longer than any other sort.

Chicago Market—A fine extra early variety, resembling the Ohio, but said to be an improvement on this fine sort.

King's Seedling—A week later than Extra Earlies, but larger, better quality and heavier yielder, with skin of a light rose color, highly recommended.

Bruce's White Beauty—This excellent potato still retains the position it has occupied since we introduced it seventeen years ago, on account of its attractive appearance and the excellence of its table qualities. The skin and flesh are pure white, the tubers are uniform in size, and is a good keeper.

Prices of above varieties subject to market fluctuations. 1 lb. 15c, 5 lbs. 65c, postpaid to Canadian points; peck 50c, ½ bushel 95c, bushel $1.75, bag $2.50. Jute bags 10c each extra.

Sir Walter Raleigh—Main crop, very productive, white flesh and skin, of uniform large size, smooth, with few shallow eyes, and of splendid quality.

Gold Coin—A very hardy, vigorous growing, productive main crop of splendid quality.

The Dooley—A main crop variety, of fine quality, and a heavy cropper; it has a white skin, and is of handsome appearance.

Early Hero, Early Harvest, Early Puritan, Pearl of Savoy and other standard sorts supplied.

Prices of above varieties subject to market fluctuations. 1 lb. 15c, 5 lbs. 60c, postpaid to Canadian points. Peck 45c, ½ bushel 85c, bushel $1.60, bag $2.20 here. Jute bags 10c each extra.

We usually commence shipping about the 1st of April (weather permitting).

Bruce's Non Plus Ultra Forcing Radish.

RADISH. *Radis*, Fr. *Rettig*, Gr.

One ounce will sow a row of 100 feet.

For early crops they should be sown in hot beds in February or March, and in the open air as soon as the ground can be worked, and at intervals of ten to twelve days for a succession throughout the season. Sow in drills 8 to 10 inches apart, and thin to a distance of two inches in the drills. The winter varieties should be sown in August and lifted before severe frost. A warm loam, made rich and light by some well rotted sandy manure, will be the most likely to produce them brittle and free from worms.

Bruce's Non-Plus Ultra (forcing) — A wonderfully rapid grower, which is fit for use within three weeks; the root is round and bright scarlet; the flesh tender and delicate; it produces but few leaves. Pkt. 5c, oz. 15c, 2 oz. 25c, ¼ lb. 40c, lb. $1.

Rosy Gem (forcing)—One of the earliest, perfectly globular; color rich deep scarlet at the top, blending into pure white at the bottom, exceedingly tender and crisp. Pkt. 5c, oz. 15c, 2 oz. 25c, ¼ lb. 40c, lb. $1.00.

RADISH—Continued.

New White Tipped Radish—Sparkler—See Novelties.

Crimson Giant Forcing—This differs considerably from other extra early sorts in so far as its roots attain more than double the size of existing forcing varieties without getting pithy or hollow. In form it varies a little, some of the roots being long and others inclined to oval, but its beautiful deep crimson color is quite constant. Flesh pure white, firm, crisp, and of most delicate flavor. It combines the advantages of a good hothouse radish with that of a summer or out-door variety. Pkt. 5c, oz. 15c, 2 oz. 25c, ¼ lb. 40c, lb. $1.00.

Bruce's In and Out (forcing)—Similar in size and shape to the Scarlet Turnip White Tipped, but of smaller top and much quicker growth, coming to maturity in a little over 20 days; desirable variety. Pkt. 5c, oz. 15c, 2 oz. 25c, ¼ lb. 40c, lb. $1.

Lily White (forcing)—Handsome white variety, having few leaves, which are small and closely set; comes to maturity in about 20 days. Skin and flesh pure white, of excellent flavor. Pkt. 5c, oz. 15c, 2 oz. 25c, ¼ lb. 40c, lb. $1.00.

Scarlet Globe—Handsome shape, color brilliant red, flesh white and crisp, mild, and of fine flavor. Pkt. 5c, oz. 15c, 2 oz. 25c, ¼ lb. 35c, lb. 90c.

Deep Scarlet Turnip—Color of the skin is very dark red, flesh white, with very small tap root. Pkt. 5c, oz. 15c, 2 oz. 25c, ¼ lb. 35c, lb. 90c.

Scarlet Turnip White Tip Radish.

Scarlet Turnip, White Tipped—A standard market variety. Pkt. 5c, oz. 15c, 2 oz. 25c, ¼ lb. 35c, lb. 90c.

French Breakfast—Oval form, color scarlet, white tipped. Pkt. 5c, oz. 15c, 2 oz. 25c, ¼ lb. 35c, lb. 90c.

Scarlet Oval Shaped—Skin fine scarlet, flesh rose color. Pkt. 5c, oz. 15c, 2 oz. 25c, ¼ lb. 35c, lb. 90c.

Johnson's New Boston Market—See Novelties.

White Turnip—Skin and flesh white; later than Scarlet. Pkt. 5c, oz. 15c, 2 oz. 25c, ¼ lb. 35c, lb. 90c.

Half Long Deep Scarlet—An early variety, intermediate in shape between the Long Scarlet and the Scarlet Olive Shaped. Pkt. 5c, oz. 15c, 2 oz. 25c, ¼ lb. 35c, lb. 90c.

Chartier—A long radish, of deep crimson color at top, shading off lighter until at the bottom they become white. Of large size, tender and crisp. Pkt. 5c, oz. 15c, 2 oz. 25c, ¼ lb. 35c, lb. 90c.

Long Brightest Scarlet—Resembles the old Long Scarlet in shape and size, but in color is very distinct, being of the most vivid scarlet imaginable, the tip of the roots being pure white. Pkt. 5c, oz. 15c, 2 oz. 25c, ¼ lb. 35c, lb. 90c.

Chartier Radish.

Long White Vienna, or Lady Finger—This is the best long white variety. Of handsome form, skin and flesh pure white, of very rapid growth, remarkably crisp, brittle and tender. Pkt. 5c, oz. 15c, 2 oz. 25c, ¼ lb. 35c, lb. 90c.

Icicle—A fine early long white variety for forcing or out-doors, attractive and of fine quality. Pkt. 5c, oz. 15c, 2 oz. 25c, ¼ lb. 40c, lb. $1.00.

WINTER RADISHES.

China Rose Colored—Medium, flesh firm, rather piquant. The standard winter variety. Pkt. 5c, oz. 20c, 2 oz. 35c, ¼ lb. 50c, lb. $1.50.

Chinese White, or Celestial—Stump-rooted, very like Nantes Carrot; 6 inches long; fine for winter. Pkt. 5c, oz. 20c, 2 oz. 35c, ¼ lb. 50c, lb. $1.50.

Black Spanish Round—Large size, skin black, of fine quality. Pkt. 5c, oz. 20c, 2 oz. 35c, ¼ lb. 50c, lb. $1.50.

Black Spanish Long—Similar to preceding in every respect except shape. Pkt. 5c, oz. 20c, 2 oz. 35c, ¼ lb. 50c, lb. $1.50.

California Mammoth or White Russian—A giant white fleshed fall radish. It grows from 8 to 10 inches in length and about 2½ in diameter. Pkt. 5c, oz. 20c, 2 oz. 35c, ¼ lb. 50c, lb. $1.50.

RHUBARB *Rhubarbe*, Fr. *Rhabarber*, Gr.

Sow early in spring in rows twelve inches apart; the following spring transplant into rows two feet apart each way; manure the ground to the depth of two feet. In raising rhubarb from seed no reliance can be placed on their producing the true varieties; the most expeditious and satisfactory mode to obtain a supply is to procure roots which will produce a moderate supply the first season.

Victoria—Very large, fine for cooking. Pkt. 5c, oz. 20c, 2 oz. 35c, ¼ lb. 60c, lb. $2.00.

Myatt's Linnaeus—Very early and tender. Pkt. 5c, oz. 20c, 2 oz. 35c, ¼ lb. 60c, lb. $2.00.

Rhubarb Roots, each 20c, three for 50c, $2.00 per dozen, postpaid.

SEA KALE. *Crambe Maritime, Fr.* *Meerkohl*, Gr.

Sow in drills one foot apart and thin out to four inches in the row. When one year old transplant into hills eighteen inches apart and three plants to each hill. On approach of frost cover about two feet thick with dried leaves. Pkt. 5c, oz. 25c, 2 oz. 40c, ¼ lb. 75c, lb. $2.50.

SALSIFY OR VEGETABLE OYSTER.

Salsifis, Fr. *Haferwurzel*, Gr.

Sow early in spring, in drills twelve inches apart, one inch deep, and thin out to six inches in the row; cultivate similar to Carrots and Parsnip. They are quite hardy, and will stand the winter in open ground.

Mammoth Sandwich Island—Roots are very large and of excellent quality. Pkt. 5c, oz. 20c, 2 oz. 35c, ¼ lb. 60c, lb. $2.00.

Long White—Standard variety. Pkt. 5c, oz. 15c, 2 oz. 25c, ¼ lb. 50c, lb. $1.75.

Mammoth Salsify.

SPINAGE. *Epinard*, Fr. *Spinat*, Gr.

One ounce will sow a row of 100 feet; 10 to 12 pounds for an acre.

Sow early in spring, in drills one foot apart, and thin out to six inches to the row. Rich, light soil is requisite to produce large, tender leaves. For winter crop sow end of August; cover lightly with clean straw; soak the seed six hours before sowing.

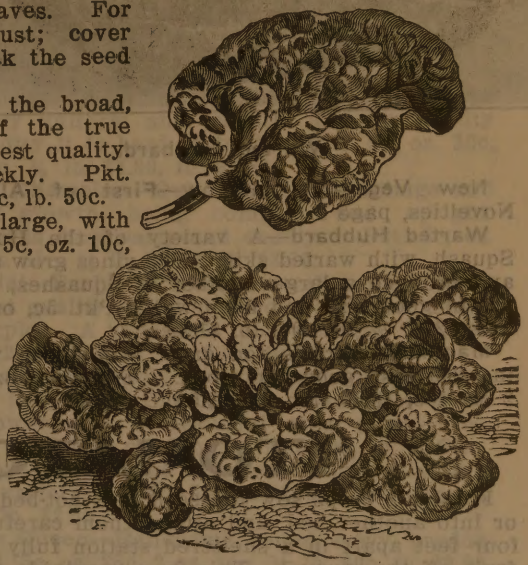
Victoria—Foliage is heavy, the broad, dark green leaves being of the true Savoy appearance and the finest quality. It does not turn to seed quickly. Pkt. 5c, oz. 10c, 2 oz. 15c, ¼ lb. 20c, lb. 50c.

Monstrous Viroflay—Extra large, with thick, succulent leaves. Pkt. 5c, oz. 10c, 2 oz. 15c, ¼ lb. 20c, lb. 50c.

Long Standing Prickly Seeded—A very hardy, compact growing variety. Slow to run to seed. Pkt. 5c, oz. 10c, 2 oz. 15c, ¼ lb. 20c, lb. 50c.

New Zealand—Produces leaves of the greatest succulency in the hottest weather. Pkt. 5c, oz. 15c, 2 oz. 20c, ¼ lb. 30c, lb. $1.00.

Large Orach or Mountain Spinage—Cultivated and used like spinage, but by many is much preferred to it. We offer Red, which has dark red leaves, and White, with pale green (almost yellow) leaves. Pkt. 5c, oz. 20c, 2 oz. 30c, ¼ lb. 50c, lb. $1.50.



Monstrous Viroflay Spinage.

SQUASH. *Courge*, Fr. *Speise Kurbis*, Gr.

One ounce for fifty hills.

Any good enriched soil is adapted for the growth of Squashes. They only thrive well in a warm temperature, as all the varieties are tender annuals, and the seeds should not be sown in the spring until all danger from frost is passed and the ground is warm and thoroughly settled. The hills should be made from 8 to 10 inches deep, manured well, and the seeds covered about three-fourths of an inch deep. Keep the earth about the plants loose and clean, removing the surplus vines from time to time, allowing not more than three plants in a hill. The custom of cutting or nipping off the leading shoots of the running varieties is now practised to some extent, with the impression that it facilitates the formation of fruit laterals and the early maturing of fruit.

Boston Marrow. Green Hubbard. Golden Hubbard.

Early White Scallop Bush—Early flat, scalloped shaped, fine grained. Pkt. 5c, oz. 15c, 2 oz. 20c, ¼ lb. 30c, lb. $1.00.

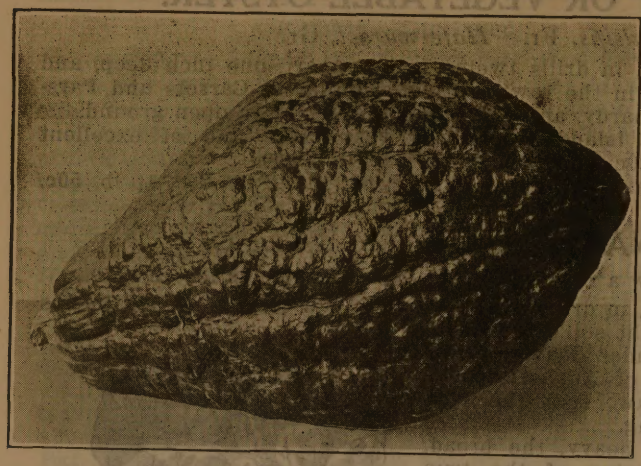
Early Yellow Scallop Bush—Early and prolific. Pkt. 5c, oz. 15c, 2 oz. 20c, ¼ lb. 30c, lb. $1.00.

Golden Custard—An improved Early Yellow Scallop Squash, of true bush growth and nearly as early. The fruits are much larger, and have a rich golden orange skin as well as rich creamy yellow flesh; very productive. Pkt. 5c, oz. 15c, 2 oz. 20c, ¼ lb. 30c, lb. $1.00.

Yellow Summer Crookneck—One of the best of summer varieties. Pkt. 5c, oz. 15c, 2 oz. 20c, ¼ lb. 30c, lb. $1.00.

Long White English Marrow—A very long white marrow of the finest quality; very productive. Pkt. 5c, oz. 20c, 2 oz. 35c, ¼ lb. 60c, lb. $1.75.

Long White Bush Marrow—The fruit of this bush variety is similar in size and color to the preceding. Pkt. 5c, oz. 20c, 2 oz. 35c, ¼ lb. 60c, lb. $1.75.



Warted Hubbard.

New Vegetable Marrow—First of All—See Novelties, page 2.

Warted Hubbard—A variety of the Hubbard Squash, with warted skin. The vines grow strong and produce a large number of Squashes, which are of good size and keep well. Pkt. 5c, oz. 15c, 2 oz. 25c, ¼ lb. 40c, lb. $1.20.

Mammoth—Grows toa great size, often weighing 200 lbs; good for stock. Pkt. 10c, oz. 25c, 2 oz. 40c, ¼ lb. 75c, lb. $2.50.

SQUASH—Continued.

Delicious—Form and color varies; weight from 5 to 10 lbs. each; the flesh is thick, of a deep orange color, and of unequalled quality for the table. Pkt. 5c, oz. 15c, 2 oz. 25c, ¼ lb. 40c, lb. $1.20.

Hardshell Boston Marrow—A very popular variety, productive and a good keeper. Pkt. 5c, oz. 15c, 2 oz. 20c, ¼ lb. 30c, lb. $1.00.

Red or Golden Hubbard—While it resembles the old Green Hubbard in shape and size, it is much more attractive in appearance; color a rich orange yellow, turning to a deep salmon red when ripened. Its keeping qualities are fully equal too, while in productiveness it excels the green variety. Pkt. 5c, oz. 15c, 2 oz. 25c, ¼ lb. 40c, lb. $1.20.

Hubbard—The standard winter squash, color dark green, shell hard, flesh dry, fine grained and sweet. Excellent keeper. Pkt. 5c, oz. 15c, 2 oz. 25c, ¼ lb. 40c, lb. $1.20.

Essex Hybrid—The flesh is sweet and thick, and a bright orange color, good for fall and winter use. Pkt. 5c, oz. 15c, 2 oz. 25c, ¼ lb. 40c, lb. $1.20.

Perfect Gem—Excellent both as a summer and winter variety. Pkt. 5c, oz. 15c, 2 oz. 25c, ¼ lb. 40c, lb. $1.20.

Mammoth Whale—Very prolific, flesh solid, of an orange yellow color, and of excellent quality. Specimens have grown three feet long and weighed 100 lbs. A splendid winter keeper. Pkt. 10c, oz. 25c, 2 oz. 40c, ¼ lb. 75c, lb. $2.50.

TOMATO

Tomate, Fr. *Liebes Apfel*, Gr.

For early crops sow the seed in a hot-bed in March. When two inches high transplant into pots or into another bed, and attend them carefully until all danger from frost is past, then plant in hills four feet apart in a sheltered station fully exposed to the sun, support them with brush to keep the fruit off the ground. This is a vegetable worthy of the most extensive cultivation. Two ounces of seed will produce enough plants for an acre.

Bruce's First and Best—The best extra early and most popular all-round tomato. Its value lies not only in the actual time of ripening its first fruit, but that such large quantities can be gathered while all other so-called earlies are ripening only a few. Its appearance is magnificent, round, smooth and a beautiful scarlet color, with grand foliage. It is a good shipper, very uniform in size, and very solid. It is of splendid quality, and for slicing has no equal.

Bruce's First and Best—Continued.

Its attractive appearance has made it the leading variety for market use. Pkt. 5c, ½ oz. 25c, 1 oz. 45c, 2 oz. 85c, ¼ lb. $1.50.

June Pink—Is similar in habit and shape to the famous Earliana. It ripens fully as early as that variety, the fruit being of medium size, uniform, smooth, and attractive. In color it is a bright, pleasing pink, a most desirable color in most markets. Pkt. 5c, oz. 40c, 2 oz. 80c, ¼ lb. $1.50, lb. $5.00.

Chalk's Early Jewel—Matures about a week later than Earliana, while the fruits are larger and heavier and produced in greater abundance; color bright red. Pkt. 5c, oz. 30c, 2 oz. 55c, ¼ lb. $1.00, lb. $3.50.

Success—A main crop variety, smooth and well formed. Is firm without being hard, and a splendid shipper; color bright red. Pkt. 5c, oz. 30c, 2 oz. 55c, ¼ lb. $1.00, lb. $3.50.

Atlantic Prize—Extra early, color bright red. Pkt. 5c, oz. 25c, 2 oz. 45c, ¼ lb. 80c, lb. $3.00.

Ignotum—Very early and prolific; color fine deep red, fruit smooth, heavy and solid, and of delicate flavor. Pkt. 5c, oz. 20c, 2 oz. 35c, ¼ lb. 70c, lb. $2.50.

Plentiful—Fruit large, solid, smooth, uniform and handsome, heavy yielder, color pink. Pkt. 5c, oz. 35c, 2 oz. 65c, ¼ lb. $1.25.

Early Michigan—Fruit medium size to large; perfectly smooth, solid; deep rich red color, and of excellent flavor. Pkt. 5c, oz. 25c, 2 oz. 45c, ¼ lb. 80c, lb. $3.00.

Livingston's Coreless—New—Large sized, globe shaped, bright red, a strong grower and big cropper. Pkt. 5c, oz. 40c, 2 oz. 80c, ¼ lb. $1.50, lb. $5.

TOMATOES—Continued.

Bruce's Selected Earliana.

Earliana—Bruce's Selected Stock—The earliest large tomato in the world. It is not only remarkable for its earliness, but for its large size, handsome shape, productiveness, and beautiful red color. Its solidity and fine color are unsurpassed by any of the best medium and late sorts. The fruit contains but few seeds, and for this reason the genuine seed can never be sold at a low price. Pkt. 5c, oz. 35c, 2 oz. 65c, ¼ lb. $1.25, lb. $4.50.

Bruce's Re-Selected Dominion Day—An exceptionally profitable early market variety. It combines with its extreme earliness, large size, magnificent color (a bright red), and delicious flavor. It is not liable to crack, is free from core, is almost smooth and a great yielder. Pkt. 5c, oz. 35c, 2 oz. 65c, ¼ lb. $1.25, lb. $4.50.

Ponderosa—This monster variety is smooth, of dark crimson color, all solid meat and fine flavor. Specimens have weighed two pounds each. Pkt. 10c, oz. 40c, 2 oz. 75c, ¼ lb. $1.50, lb. $5.00.

Dwarf Stone—Resembles the Dwarf Champion in its stout, upright and compact growth, with fruit similar to the late Stone in color, shape and size. Pkt 5c, oz 35c, 2 oz 65c, ¼ lb $1.25, lb $4.50.

Royal Red—Main crop, very productive, of a rich deep red color, is deservedly popular with canners. Pkt. 5c, oz. 25c, 2 oz. 45c, ¼ lb. 80c, lb. $3.00.

Livingston's Globe—Among the very first to ripen, although of large size, very smooth, firm fleshed, ripens evenly; color a beautiful glossy rose, tinged purple; splendid slicing variety. The fruit is borne on short jointed, branching plants, in great abundance. Pkt. 5c, oz. 40c, 2 oz. 75c, ¼ lb. $1.50, lb. $5.00.

Favorite—A popular canning variety of a fine dark red color. Is very prolific, good flavor, solid, and bears shipping long distance. Pkt. 5c, oz. 20c, 2 oz. 35c, ¼ lb. 70c, lb. $2.50.

Perfection—Well known early variety, extensively grown for canning purposes; blood red color, perfectly smooth, very productive. Pkt. 5c, oz. 20c, 2 oz. 35c, ¼ lb. 70c, lb. $2.50.

The Stone—Large, bright scarlet, smooth and solid, ripens up to the stem without a crack; an excellent main crop variety. Pkt. 5c, oz. 20c, 2 oz. 35c, ¼ lb. 70c, lb. $2.50.

Matchless—Of a rich, cardinal red color, large size, very uniform and smooth, and for quality and solidity it is hard to beat. Pkt. 5c, oz. 30c, 2 oz. 55c, ¼ lb. $1.00, lb. $3.50.

Dwarf Champion—Quite distinct in foliage and habit of growth, being compact and upright. Crop ripens very early and evenly. Pkt. 5c, oz. 30c, 2 oz. 55c, ¼ lb. $1.00, lb. $3.50.

Imperial—Early, perfectly smooth, solid and of the finest quality, in color a deep rich red, tinted with purple. A handsome table variety. Pkt. 5c, oz. 20c, 2 oz. 35c, ¼ lb. 70c, lb. $2.50.

Aristocrat—In habit, growth and foliage it resembles the Dwarf Champion. The color of its fruit, however, is a beautiful rich glossy red. Pkt. 5c, oz. 30c, 2 oz. 55c, ¼ lb. $1.00, lb. $3.50.

Beauty—Large, dark crimson, tough skin, fine market variety. Pkt. 5c, oz. 20c, 2 oz. 35c, ¼ lb. 70c, lb. $2.50.

Golden Queen—Handsome, round, early, productive. Pkt. 5c, oz. 25c, 2 oz. 45c, ¼ lb. 80c, lb. $3.00.

SMALL FRUITED TOMATOES.

Following varieties are useful for preserves and pickling:

Red and Yellow Pear Shaped—Pkt. 5c, oz. 50c.

Yellow and Red Plum—Pkt. 5c, oz. 50c.

Red and Yellow Cherry—Pkt. 5c, oz. 50c.

Strawberry or Ground Cherry—Fruit enclosed in a husk, excellent for preserves. Pkt. 5c, oz. 50c.

Peach—Resembles a peach in shape, size and color. Pkt. 5c, oz. 50c.

Plants of the leading varieties supplied. $1.00 per 100 here.

TURNIP. *Navet*, Fr. *Rube*, Gr.

For early crops sow as early in the spring as the ground can be worked, in drills 12 inches apart, and thin to 6 or 8 inches; for general crops sow middle of August. They succeed best in light rich soil.

Bruce's Early Nimble Dick—The earliest and most delicious table turnip in existence; bulbs medium size, flat; color pure white. Pkt. 5c, oz. 10c, 2 oz. 15c, ¼ lb. 25c, lb. 75c.

Early Flat White Dutch—Size medium, of quick growth, juicy, excellent quality. Pkt. 5c, oz. 10c, 2 oz. 15c, ¼ lb. 25c, lb. 75c.

Purple Top Strap Leaf—Flesh fine grained, rich and buttery flavored. Pkt. 5c, oz. 10c, 2 oz. 15c, ¼ lb. 20c, lb. 50c.

Extra Early White Milan—It grows with wonderful rapidity, and is the earliest White Turnip in cultivation. It is most attractive, with clear white skin and flesh fine grained and tender. Pkt. 5c, oz. 15c, 2 oz. 25c, ¼ lb. 50c, lb. $1.75.

Bruce's Golden Ball—Skin bright yellow, flesh firm, sweet and well flavored. Pkt. 5c, oz. 10c, 2 oz. 15c, ¼ lb. 25c, lb. 75c.

Early White Stone—Snowball—A very fine variety. Pkt. 5c, oz. 10c, 2 oz. 15c, ¼ lb. 25c, lb. 75c.

White Swede—Flesh pure white, of extraordinary solidity and well flavored. Pkt. 5c, ¼ lb. 13c, ½ lb. 20c, lb. 30c.

Nimble Dick Turnip.

Laing's Improved Purple Top Swede—An excellent turnip for rich, free soils, very handsome, with a peculiar leaf and small top. Pkt. 5c, ¼ lb. 13c, ½ lb. 20c, lb. 30c.

Sweet Basil. Sage. Sweet Marjoram. Summer Savory. Thyme.

POT, SWEET AND MEDICINAL HERBS

Anise.. .. ..Per oz. 25	Caraway.. ..Per oz. 15	Horehound Per oz. 35	Rue .. .. ..Per oz. 35
Balm 35	Catnip.. 75	Hyssop. 35	Sage 20
Basil, Sweet.. 30	Coriander. 20	Lavender.. 60	Savory, Summer. .. 20
Basil, Bush.. 30	Dill.. 25	Marjoram, Sweet .. 20	Savory, Winter.. .. 50
Borage. 35	Fennel, Sweet 25	Marjoram, Pot.. .. 60	Thyme. 60
Belladonna 50	Fenugreek 25	Rosemary. 60	Vormwood 35

IN PACKETS AT FIVE CENTS EACH.

TREE AND HEDGE SEEDS

Sow the seeds moderately thick in the spring just as soon as the ground is in good working condition. in beds 3 feet wide; then draw the soil with the back of the rake from the centre of the beds to a uniform depth of 2 inches. Keep the beds free from weeds, and when the seeds begin to germinate, lightly cover the bed with pine boughs to shade the young plants from the sun. When all are up the boughs should be gradually removed in order to harden off the young plants; during the first winter cover the beds with pine boughs to protect the young plants from the snow and sun. Let the plants remain in the beds from 2 to 3 years, then transplant into rows t o and a half feet apart, leaving 6 to 9 inches between each plant. Keep the ground clean and mellow, and when the plants are strong enough, remove them to where they are intended to remain.

Norway Spruce..	oz.	15c	lb.	$1 25
Catalpa S eciosa	"	25c	"	3 00
Scotch Fir	"	30c	"	2 50
Silver Fir	"	20c	"	1 50
Sugar Maple	"	20c	"	1 50
European Larch	"	30c	"	2 50
Austrian Fir	"	30c	"	2 50
Arbor Vitae	"	25c	"	2 00
Hemlock Spruce	"	50c	"	6 00
Mulberry White	"	30c	"	2 50
Black Walnuts..	15c		lb. bush.	2 00

Any of the above can be supplied at 10c per pkt.

Norway Spruce—We offer a large stock of transplanted stocky plants of the following sizes: 12 to 15 inches, $15.00 per 100; 18 to 24 inches, $20.00 per 100; 24 to 36 inches, $25.00 per 100; suitable for hedges and wind-breaks. Orders are requested to be sent in by the 1st of May.

SEEDS FOR HEDGES

Sow the following in the fall, if convenient. If sown in the spring, soak the seeds in tepid milk or water forty-eight hours before sowing, which will assist the germination of the seeds. Sow in drills two feet apart, and when two years old, transplant into rows two and a half feet apart and nine to twelve inches between each plant. Hoe frequently and keep free from weeds, and when two feet high, transplant them to where you want them to remain.

Acacia, Three Horned or Honey Locust—(Gleditschia triacanthos)—Very hardy and effectual against man or beast. Admirably adapted for the prairies.. ..	oz.	10c	lb.	$0 75
Buckthorn—(Rhamnus Catharticus)—clean seed..	"	20c	"	1 50
Osage Orange—(Maclura Aurantiaca)	"	15c	"	1 25
Berberry—(Berberis Vulgaris)—Very hardy, producing a fine compact hedge, also valuable for its fruit, which is excellent for preserving	"	15c	"	1 25

FRUIT SEEDS

Cherry Pits, Mahaleb and Mazzard.. ..	lb.	$0 50	Apple Seeds	oz. 10c	lb. $0 75
Currant, Red, White and Black..	pkt.	10	Pear Seeds..	" 20c	" 1 50
Gooseberry, Red, Yellow and Green ..	"	25	Quince Seeds	" 15c	" 1 50
Raspberry, Red and White	"	10	Peach Stones, also Apricot Stones	"	25
Strawberry, choice kind..	"	25	Plum Stones	"	35

BIRD SEEDS

Carefully cleaned, fresh and free from impurities. Special prices in quantity.

Canary.	lb.	$0 10	Mixed Parrot Seed..	lb.	$0 10
Maw..	¼ lb.	10c	Song Restorer, bottle 25c, postpaid, bottle		30
Rape, German Sweet	"	10	Prepared Mocking Bird Food..	tin	50
Hemp..	"	10	Prepared Fish Food, box 10c, postpaid box		15
Millet	"	5	Lice Killer, box 25c, postpaid..	box	30
Sunflower..	"	10	Manna or Bird Bread, cake 5c, postpaid..		8c
Mixed Bird Seed	"	8	Cuttle Fish Bone	oz. 5c,	lb. 50

Bird Sand, 1¼ lb. packages, 5c; 2¾ lb. packages, 10c. postpaid oz. 7c, lb. 65c.

Tree, Hedge and Fruit Seeds going by mail require postage to be added at the rate of 5c per lb. to Canadian points, and 16c per lb. to Newfoundland and the United States. Bird Seeds and supplies require postage to be added at the rate of 16c per lb. to Canada, Newfoundland and United States.

AGRICULTURAL SEEDS

In submitting our list of Farm Seeds we take pleasure in stating that our extensive stocks have been secured in excellent condition; they have, as usual, had the most careful supervision by our growers from the time of planting until maturity, and may be depended upon to give satisfaction, when due allowance is made for any imperfections of weather, soil or cultivation. The large increase annually in our trade with the farmers in all portions of the Dominion is an evidence of the superiority of our stocks, and of the personal attention we give to the interests of those who have, without intermission, patronized us so liberally. **The crop in Europe of Beet, Carrot, Mangel and Turnip is the shortest on record, and orders should be sent in early to be certain to get our special varieties.**

Bruce's Giant Feeding Sugar Beet.

Sugar Beet, Field Carrot, Thousand Headed Kale, Mangel, Rape and Field Turnip, to be forwarded by mail, require postage to be added to Catalogue prices at the rate of 5c per lb. to all points in Canada, and 16c per lb. to Newfoundland and the United States.

SUGAR BEET

The demand for Sugar Beet Seed has more than doubled in each year the past few seasons. Dairymen find when feeding to their cows a marked increase in the flow of milk and richness in butter which are not so apparent when using other cattle foods. Hogs may also be fed to advantage on Sugar Beets. Sow from middle of April to first of June, in drills two feet apart, then thin to nine inches in the row. Five pounds seed per acre.

BRUCE'S GIANT WHITE FEEDING SUGAR BEET—This grand feeding beet, introduced by us in 1900, has found great favor with all who have grown it. It combines the fine rich qualities of the Sugar Beet with the long keeping, large size and heavy cropping qualities of the mangel. The roots are clean and tops small, flesh white, solid, tender and very sweet, and on account of the bigger part of its length growing out of the ground they are easily harvested. This variety is a heavier cropper than our Rose, but not quite so rich in sugar. The roots are the largest, handsomest, most uniform and cleanest of all Sugar Beets, and this, combined with their richness and easy harvesting quality, makes them the "beau ideal" of a root for the farm. ¼ lb. 18c, ½ lb. 30c, lb. 50c. **The best Feeding Beet or Mangel on the market. We lead all competitors; refuse all substitutes.**

Bruce's Giant Rose Feeding Sugar—Has all the good qualities of above variety, only differing in color, which is rose outside, though the flesh is white, and the roots are barely as large or heavy as the White. It will easily outyield all the other kinds of Sugar Beets and comes very close to that of the heaviest yielding Mangels of the Intermediate type. ¼ lb. 18c, ½ lb. 30c, lb. 50c.

Vilmorin's Improved—Bulbs of small size, but contain a larger percentage of sugar than any other variety on the list. It is chiefly grown in Europe for sugar producing purposes, for which use it must be grown entirely under ground, but need not be so cultivated when grown for stock feeding purposes. ¼ lb. 20c, ½ lb. 35c, lb. 60c.

FIELD CARROT

An indispensable root for the farm, and is deserving of more general cultivation. Succeeds best in sandy soils; will also do well on strong clay loams, when perfectly pulverized, well drained and free from weeds. Well managed, there is no crop pays better, and most farmers would find an acre or so desirable. Sow from middle of April to 1st of June in drills 18 to 20 in. apart, and when about 3 in. high thin to 4 in. between each plant. Sow 3 lbs. seed to acre.

BRUCE'S MAMMOTH INTERMEDIATE SMOOTH WHITE—This grand half-long Carrot is longer than the White Vosges and more uniform in shape. Flesh is pure white, solid, of finest quality. Is most productive and easily harvested, a splendid keeper. This carrot is sold under numerous aliases; our name for it is simply descriptive of the appearance of the best of all Field Carrots. **We have every confidence in recommending it, and know our strain to be at least the equal of anything offered.** ¼ lb. 65c, ½ lb. $1.20, lb. $2.25.

Large White Vosges—The root is large and very thick at the shoulder, much shorter than the White Belgian, and thus more easily harvested, skin and flesh pure white; a wonderful cropper and of excellent feeding quality. ¼ lb. 65c, ½ lb. $1.20, lb. $2.25.

Bruce's Mammoth Intermediate Carrot.

FIELD CARROT—Continued.

White Belgian (Improved)—Well known variety of fine quality, most profitable for field culture. ¼ lb. 65c, ½ lb. $1.20, lb. $2.25.

Intermediate Scarlet—Valuable for shallow soils. ¼ lb. 65c, ½ lb. $1.20, lb. $2.25.

Long Orange Belgian—Superior in quality and a heavy cropper. ¼ lb. 65c, ½ lb. $1.20, lb. $2.25.

Long Orange—Large, fine quality. ¼ lb 65c, ½ lb $1.20, lb $2.25.

Altringham—Long, deep red color. ¼ lb 65c, ½ lb $1.20, lb $2.25.

MANGEL WURZEL—CHOICE SELECTED STOCK

This is one of the most important crops cultivated for consumption on the farm, and in the vicinity of large towns is found to be a profitable crop for marketing. It is of easy culture. The weight of roots grown exceeds that of any other crop, and properly supplied to stock is perhaps the most valuable and nutritious. One of its best properties consists in its adaptation for long and safe storage, by which it is improved, as roots securely put into pits or cool cellars in October will come out in the early part of May containing more nutritive qualities than when put in, forming an admirable substitute for grass in a late season.

The heaviest crops of this root are invariably grown upon land which has been thoroughly cultivated and liberally manured.

The seeds should be drilled to secure uniform depth, at the rate of 5 to 6 lbs. per acre. Sow from middle of April to 1st of June, in drills 2½ to 3 feet apart, and thin to 16 to 20 inches in rows. The intermediate, from its peculiar shape, may be allowed to stand closer than other varieties. For feeding milch cattle it stands unrivalled. An average crop is 30 tons, and on some of the sewage farms in England the enormous yield of 80 to 90 tons has been grown.

MANGEL WURTZEL—LONG VARIETIES.

The following are the best adapted for deep, rich, loamy soil:

Bruce's Gate Post—A select stock of the Mammoth Long Red. Roots remarkably large, smooth, and perfect in shape. The most profitable of the Long Red varieties. Our stock cannot be excelled. **We recommend this splendid variety with the greatest confidence. In the trials at the Central Experimental Farm, Ottawa, for many years the Gate Post has frequently headed the list.** ¼ lb. 18c, ½ lb. 30c, lb. 50c.

Mammoth Long Red—A well known and popular strain. ¼ lb. 15c, ½ lb. 25c, lb. 45c.

Bruce's Giant Yellow Intermediate Mangel.

Bruce's Gate Post Mammoth Long Red Mangel.

Long Yellow—A good variety, producing large roots. ¼ lb. 18c, ½ lb. 30c, lb. 50c.

GLOBE AND INTERMEDIATE VARIETIES.

BRUCE'S GIANT YELLOW INTERMEDIATE—This grand Mangel, which we introduced in 1891, is without a doubt the favorite with all cattle men at the present day. The large size of the roots, their uniformity, handsome shape, bright smooth yellow skin, flesh of the most solid texture, nutritious and splendid keeping qualities, make it one of the most valuable introductions of recent years. While in point of size they will not equal the best of the long varieties, yet in yield per acre they have frequently produced as much, and in richness they far exceed the long varieties, added to which they are much more easily harvested, about half of their length being above the ground. We have kept our stock fully up to the original high standard, and it will pay every grower to procure our grand strain of this unequalled variety. ¼ lb. 18c, ½ lb. 30c, lb. 50c.

IMPROVED YELLOW GLOBE—A specially good variety and popular in certain sections, good quality and yields well. ¼ lb. 15c, ½ lb. 25c, lb. 45c.

RED GLOBE—Only called for in limited quantities, a good mangel and adds variety for exhibitions. ¼ lb. 15c, ½ lb. 25c, lb. 45c.

When Field Root Seeds are required by mail, add postage as follows: 2c for ¼ lb.; 3c for ½ lb. and 5c per pound to Canadian points.

MANGEL WURTZEL—Continued. **GLOBE AND INTERMEDIATE SHAPED VARIETIES.**

Bruce's Giant Sugar—Combines the rich qualities of the Sugar Beet with the long keeping, large size and heavy cropping qualities of the mangel. Roots are clean, tops small, flesh white, solid, tender and sweet and easily harvested. ¼ lb. 18c, ½ lb. 30c, lb. 50c.

Mammoth Red Intermediate—Yields enormously. ¼ lb. 18c, ½ lb. 30c, lb. 50c.

Champion Yellow Intermediate, or Leviathan—Similar to Bruce's Giant Yellow Intermediate, and in good demand. ¼ lb. 18c, ½ lb. 30c, lb. 50c.

Golden Tankard—Flesh .golden yellow. This Mangel contains more saccharine and a higher proportion of flesh forming constituents than any other Mangel excepting Bruce's Giant Yellow Intermediate. ¼ lb. 18c, ½ lb. 30c, lb. 50c.

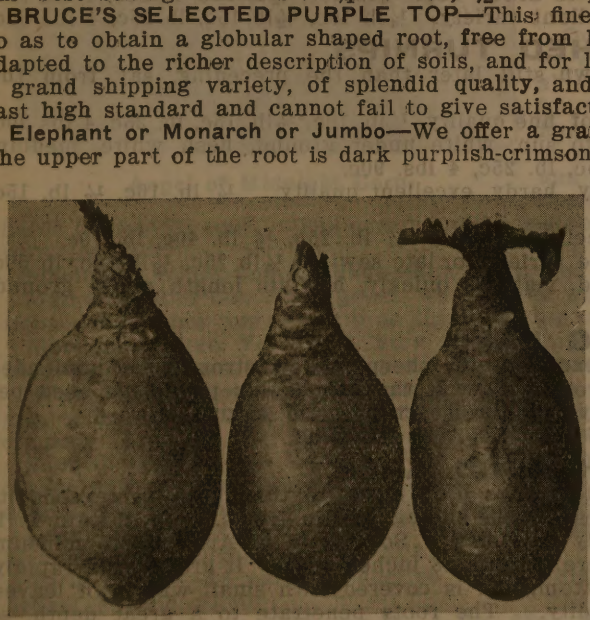
TURNIP SEEDS

The Turnip is now one of the most important crops grown on the farm, and its success, no doubt, depends greatly on the preparation of the soil and thejudicious application of manure, but not less so on the quality of the seed and the care exercised in the selection of the bulbs from which the seed is saved. Impressed with this fact, we have for many years paid special attention to the growth of our Turnip Seed, and the increased demand we experience each successive season, as well as the gratifying accounts we receive from all parts of the Dominion as to the excellence of our Turnip Seed, affords us satisfactory evidence as to the superiority of our stocks and the success that has attended our efforts. Sow in June in drills ; two pounds to the acre.

Improved Hall's Westbury—A well known standard purple top variety of handsome appearance, fine quality, large and solid, a grand keeper and one of the best shipping turnips known. We are satisfied that no better stock of this grand variety can be obtained anywhere; this is one of our best selling varieties. ¼ lb. 10c, ½ lb. 15c, lb. 25c, 4 lbs. 90c.

BRUCE'S SELECTED PURPLE TOP—This fine variety has been carefully selected and improved so as to obtain a globular shaped root, free from least tendency to coarseness ; it is particularly adapted to the richer description of soils, and for long keeping qualities cannot be surpassed. It is a grand shipping variety, of splendid quality, and a great favorite, and our stock is fully up to the past high standard and cannot fail to give satisfaction. ¼ lb. 10c, ½ lb. 15c, lb. 25c, 4 lbs. 90c.

Elephant or Monarch or Jumbo—We offer a grand stock of this handsome tankard-shaped variety. The upper part of the root is dark purplish-crimson, the flesh deep yellow, solid and nutritious. Matures early and produces more weight to the acre than any other variety. ¼ lb. 10c, ½ lb. 15c, lb. 25c, 4 lbs. 90c.



Bruce's Giant King Swede—See Novelties, page 6.

Skirving's Improved Purple Top—This is a strong grower and heavy cropper, but runs to neck on rich ground. ¼ lb. 10c, ½ lb. 15c, lb. 20c, 4 lbs. 75c.

Magnum Bonum Purple Top—A fine new Swede, of large size, fine color, and extra good quality ; a heavy cropper. Recommended by the Ontario Agricultural College. ¼ lb. 10c, ½ lb. 15c, lb. 25c, 4 lbs. 90c.

Drummond's Purple Top—A splendid Scotch variety of great excellence; globular in shape, large, solid and of finest quality. ¼ lb. 10c, ½ lb. 15c, lb. 20c, 4 lbs. 75c.

Carter's Imperial Purple Top—One of the hardiest and best keepers. ¼ lb. 10c, ½ lb. 15c, lb. 20c, 4 lbs. 75c.

Sutton's Champion Purple Top—A standard variety. ¼ lb. 10c, ½ lb. 15c, lb. 20c, 4 lbs. 75c.

SWEDE TURNIPS—Continued. Bruce's New Century Swede Turnip. The best of all Swedes.

BRUCE'S NEW CENTURY—A purple topped variety, resembling Westbury, of splendid uniform growth, roots clean and of handsome shape. It resists mildew better than any other Swede. It is the best shipping variety. Used for cooking purposes, it is unexcelled. In sections where large quantities are grown for the American market the growers will have no other. **Our own private stock. Refuse all substitutes.** ¼ lb. 15c, ½ lb. 20c, lb. 35c, 4 lbs. $1.20.

Kangaroo—A very hardy Swede, similar in size and growth to the Elephant; color a bronze green, possessing its heavy cropping features with the grand constitution of the best types of Bronze Green Top Swedes, and is increasing in popularity each year, particularly in those districts where the land lies exposed, and is consequently cold and backward. ¼ lb. 10c, ½ lb. 15c, lb. 25c, 4 lbs. 90c.

Laing's Improved Purple Top—Fine for table use. ¼ lb. 10c, ½ lb. 15c, lb. 25c, 4 lbs. 90c.

Halewood Bronze Top—A favorite Scotch variety, heavy croppers, good keeper, closely resembling Kangaroo. ¼ lb. 10c, ½ lb. 15c, lb. 25c, 4 lbs. 90c.

Fettercairn Green Top—Will keep sound longer than any other variety; fine quality. ¼ lb. 10c, ½ lb. 15c, lb. 25c, 4 lbs. 90c.

Royal Norfolk Purple Top—A heavy cropper and a good keeper, one of the best on our list for strong, heavy land. ¼ lb. 10c, ½ lb. 15c, lb. 20c, 4 lbs. 75c.

Hartley's Bronze Top—Small neck and single tap roots, very rich in quality and a first rate keeper. A great favorite and demand increasing. Our stock is fine. ¼ lb. 10c, ½ lb. 15c, lb. 25c, 4 lbs. 90c.

White Swede—Remarkable for its nutritious properties, hardiness and long keeping. ¼ lb. 10c, ½ lb. 15c, lb. 25c, 4 lbs. 90c.

YELLOW FLESHED TURNIPS

May be sown from the first week in July to middle of August, either after it is considered too late for Swedes, or on land of not sufficiently good quality to produce Swedes, or when there is an absence of a supply of manure.

Purple Top Yellow Aberdeen—Similar in quality to Green Top. ¼lb 10c, ½lb 15c lb 25c, 4 lbs 90c.

Green Top Yellow Aberdeen—A hardy and excellent variety. ¼lb 10c, ½lb 15c, lb 25c, 4 lbs 90c.

WHITE FLESHED TURNIPS

The varieties embraced in this class may be sown still later than the preceding, say from the middle of July to the end of August.

White Globe—Grows very large, is early and of fine quality. ¼lb. 10c, ½lb. 15c, lb. 25c, 4 lbs 90c.

Red Globe Norfolk—Skin red where exposed to sun, white under ground, flesh white, medium size, should be fed early. ¼ lb. 10c, ½ lb. 15c, lb. 25c, 4 lbs. 90c.

Grey Stone—Grows to an immense size, is early, hardy, excellent quality. ¼ lb. 10c, ½ lb. 15c, lb. 25c, 4 lbs. 90c.

White Stone or Stubble—A well known and excellent variety. ¼ lb. 25c, ½ lb. 40c, lb. 70c.

Red Top Strap Leaf—A rapid grower; valuable variety for late sowing. ¼lb 25c, ½lb 30c, lb 50c.

Cow Horn—Roots long, flesh white, fine grained, matures quickly, half its length above ground. ¼ lb. 15c, ½ lb. 25c, lb. 40c, 4 lbs. for $1.40.

SOWING RAPE

Largely grown for soiling purposes; it is also excellent for sheep, and is strongly recommended as a most profitable crop for stock raisers to grow. Sow at the rate of six pounds of seed per acre, and successional sowings, beginning in May, will insure crops from August onward.

Broad Leaved Essex—Lb. 11c, 10 lbs. $1.00, 25 lbs. $2.25, 100 lbs. $8.00.

THOUSAND HEADED KALE

For the purpose of the sheep farmer there is no forage crop equal to this, both as regards its productive qualities, nutritive value and hardiness, withstanding severe frosts. In Britain it is largely supplanting Sowing Rape, which it largely outyields. Sow early in April up to midsummer, 3 lbs. to the acre broadcast, or 1 lb. to acre in rows 18 inches apart. It grows very rapidly, 3 to 4 feet high, branches out right from the bottom, and is covered with small whorls of leaves, and after being fed it grows with increased rapidity. The roots penetrate to a great depth, so that drought does not affect it. It is greatly relished by hogs, cattle and sheep, and is well worthy of a trial. ¼ lb. 12c, ½ lb. 20c, lb. 30c, 4 lbs. $1.00.

BARLEY

Read's Triumph—New—See Novelties.

Read's Vermont Beardless—See Novelties.

Success—A distinct variety, quite beardless and fully a week or 10 days earlier than any other barley. Height same as common, but straw better, and stands up on any land; a good yielder; six-rowed. Peck 35c, bushel $1.25.

Mandscheuri—The best standard variety. Peck 30c, bushel $1.10.

Mandscheuri, No. 21—See Novelties.

White Hulless—Beardless, grows quickly, 60 lbs to bushel, good yielder. Peck 60c, bushel $2.00.

Black Hulless—Highly recommended for hog feed, 60 lbs. to bushel. Peck 60c, bushel $2.00.

BUCKWHEAT

Common—Well known. Peck 30c, bushel $1.00.

Silver Hull—Leading variety. Pk 30c, bush $1.10.

Japanese—Very large and productive. Peck 35c, bushel $1.25.

Barley and Buckwheat, except Novelties, 15c lb., 5 lbs. 65c. Postpaid to Canadian points.

BROOM CORN. { **Long Bush Evergreen**—Lb. 10c, 10 lbs. 75c. If to be mailed, add postage. Succeeds in good deep soil; it is very sensitive to cold.

Angel of Midnight Corn.

BEANS—Field

Where the soil is suitable, beans will be found a most profitable crop to grow, and at the same time there is nothing better for keeping the ground clean. We offer the following varieties:

Medium White or Navy—The standard variety. Peck 75c, bushel $2.60.

White Pea—A splendid cooking variety. Peck 75c, bushel $2.60.

White Marrowfat—Very large, fine quality. Peck 85c, bushel $3.00.

White Kidney—Prolific, splendid quality. Peck $1.00, bushel $3.75.

Yellow California—Best for cooking. Peck 65c, bushel $2.50.

20c. lb. 5 lbs. 75c. Postpaid to Canadian points.

KAFFIR CORN

A non-saccharine sorghum fodder plant. Grows from 5 to 6 feet, stocky and erect, wide foliage, and has the quality common to all sorghums of resisting drought. Sow in drills 5 lbs. to acre and cultivate same as common corn, or broadcast ½ bush. to acre. Lb 10c, 10 lbs 50c. If mailed add postage.

CORN—FIELD VARIETIES

Australian Extra Early Eight-Rowed White Flint—Remarkably early, ripening fully two weeks ahead of Compton's. It is unusually productive, the ears being very long, the grain large, and the cob small. Hardiest known variety; will thrive at an altitude of 6,000 feet, where the climate is always too cold for ordinary corn; a great drought resister; will produce crops when other sorts fail. Shelled, peck 50c, bushel $1.75.

Compton's Early Twelve-Rowed Yellow—Owing to its earliness and productiveness this variety has given great satisfaction; it is also highly recommended as a fodder corn. Shelled, peck 45c, bushel $1.60.

Angel of Midnight—This is an extra early eight-rowed Yellow Flint variety, the grains very large and compactly set on a very small cob. Shelled, pk. 45c, bush. $1.50.

North Dakota Early White Flint—A very profitable eight-rowed variety. Shelled, peck 45c, bushel $1.50.

Longfellow—A most desirable eight-rowed Yellow Flint variety. Shelled, peck 45c, bushel $1.50.

King Philip—A favorite in some localities; color red, eight-rowed. Shelled, peck 45c, bushel $1.50.

Golden Nugget—Eight-rowed Yellow—A favorite variety in some localities. Shelled, pk. 45c, bush. $1.50.

Above varieties, 15c lb., 5 lbs. 65c. Postpaid to Canadian points.

CORN—FOR FODDER AND ENSILAGE PURPOSES

Our list of Corn embraces all the varieties that careful experiments have demonstrated to be the most valuable for cutting for green fodder and for use in the silo for winter feeding. For cutting green we believe the Evergreen Sweet Corn will be found the most valuable on account of its richness, though the Mammoth White and Red Cob are the most in use, while the Dent varieties are better adapted for the silo, as they are less liable to become sour. The corn we offer has been specially grown for seed, and the germination fully tested.

Mammoth White Cob Ensilage—Similar to Red Cob in most respects. Per bushel, shelled, $1.10.

Mammoth Red Cob Ensilage—A well known white variety of great productiveness and most nutritious quality, but not as early as the following varieties. Per bushel, shelled, $1.10.

Mortgage Lifter, Yellow—A very strong growing Dent variety, producing a great quantity of fodder; grains long, cobs small, ears fine shape and large with from 10 to 18 rows on each. Bush $1.40.

White Cap Yellow Dent—Expert corn growers pronounce it a perfect field corn as to yield, size of ear, color, size of cob, and growth of fodder. It matures in 90 to 95 days. No corn yields as well on poor, thin land, nor stands the drought as well. Per bushel, shelled, $1.25.

King of the Earlies—Yellow. The stalks grow from 6 to 8 feet in height and are thickly furnished with foliage close to th ground. Ears medium in length. Cob small, closely set with long, deep kernels. Extra early. Per bushel, shelled, $1.40.

Legal Tender—Yellow. A handsome strong growing, productive early variety; highly recommended. Per bushel, shelled, $1.40.

Early Bailey—An early productive yellow variety and a great favorite in Western Ontario. Per bushel, shelled, $1.40.

Above varieties 15c per lb., 5 lbs. 65c. Postpaid to Canadian points.

All prices on this page subject to market fluctuations. Bags extra.

CORN—For Fodder and Ensilage Purposes—Continued.

Bruce's Improved Leaming Yellow—A splendid variety for withstanding drought by reason of its earliness in maturing, strong and vigorous growth, and its stocky, leafy nature, which enables it to stand until ripe. Per bushel, shelled, $1.25.

Reid's Yellow Dent—A well known variety largely grown for exhibiting at fairs, and is used as a standard for judging at corn schools. Of handsome shape and color. Per bushel, shelled, $1.40.

Evergreen Sweet Fodder—This is the sweetest and most nutritious of all the fodder varieties, and will be found most valuable for cutting and using as green fodder. Bushel of 40 lbs., shelled, $2.00.

Cloud's Early Yellow Dent—Early, very prolific, strong and vigorous, growing from 8 to 10 feet high, producing large, handsome ears, with unusually deep grains. Per bushel, shelled, $1.40.

Early Mastodon, Yellow—This early Dent variety has the greatest number of rows on cobs and the longest grains of any corn so far originated. A strong and vigorous grower; very productive. Per bushel, shelled, $1.40.

Cuban Giant, Yellow—It outyields the Red Cob and is in ten days earlier; the fodder grows on the stalks in great quantities and is of the finest flavor, almost as sweet as sugar corn. The grains are yellow, large, broad, long and of great vitality. Per bushel, shelled, $1.40.

Early Butler Dent Yellow—The fodder of this new sort grows up strong and rank. It roots deeply and withstands drought. Ears of good size. Matures in 90 to 100 days. Per bush. shelled $1.40.

Wisconsin White Dent—A popular variety in some districts. Per bushel, shelled, $1.40.

Above varieties, 15c lb., 5 lbs. 60c. Postpaid to Canadian points. Prices subject to market fluctuations.

CLOVER AND GRASS SEEDS

The large increase in our home and foreign trade made it imperative for us to introduce into our premises the most modern machinery, which is run by electric power, and we have now the perfection of appliances for turning out superior samples of Seed Grain, Clover and Grass Seeds. Increased sales, and the complimentary references to the quality of our shipments has been ample compensation for our expenditure in this department; and our long connection with the best growers in the seed producing districts gives us exceptional advantages in securing the best samples offered.

GOVERNMENT STANDARD GRADES.

By provisions of the Seed Control Act, which came into effect on the 1st September, 1905, and amended in 1911, the following standards are set for those selling seeds: Red, Alsike and Lucerne Clover, and Timothy. Extra No. 1 not to exceed 30 of all weed seeds in 1 oz. No. 1, Red, Lucerne, Timothy, 5 noxious weeds; Alsike, 10 noxious weeds, with a limit of 100 weed seeds per oz. No. 2, Red, Lucerne, Timothy, 20 noxious weeds; Alsike, 40 noxious weeds, with a limit of 200 weed seeds per oz. No. 3, Red, Lucerne, Timothy, 80 noxious weeds; Alsike, 160 noxious weeds, with a limit of 400 weed seeds per oz. Seed having more than 400 weed seeds in an ounce cannot be sold in Canada without becoming liable to fine or imprisonment.

As usual we have exercised the greatest care to secure the finest quality of seed obtainable, and with the most modern cleaning machinery we are enabled to offer samples which we feel assured will satisfy the most critical buyer. The conditions imposed by the Act have placed a premium on the best grade of seed, but in our transactions extending over 60 years with the agricultural community, the question of quality with the great majority is a more important consideration than price, and it is the trade of the majority we cater for.

Lucerne Clover.

Clover Seed being subject to constant variations, prices will be ruled by market. Write for special prices by peck or bushel.

Common Red—A well known variety. Lb. 30c, 10 lbs. $2.75.

Mammoth Red or Pea Vine—Valuable for plowing under for manure. Lb. 30c, 10 lbs. $2.75.

Yellow or Trefoil—Valuable for pasture. Lb 30c, 10 lbs $2.75.

White Dutch—Esteemed for permanent purposes. Lb. 40c.

Lucerne, French, Alfalfa or Chilian—An invaluable and certain crop as green food for horses and cattle, and one of the best forage plants for withstanding drought. Should be sown from middle of April to end of May, and may be cut 3 or 4 times a year. It thrives upon any soil where drainage is good, and as the roots penetrate the soil to a great depth, reaching the moisture, it continues green in the driest weather. Sow 15 to 20 lbs. to acre. We offer Canadian and Utah grown seed. Lb. 30c, 10 lbs. $2.75.

Lucerne (Alfalfa) Turkestan—Same as above, but hardier, and withstands drought better than the ordinary. Lb. 30c, 10 lbs. $2.80.

Bokhara (Melilotus Alba)—A very vigorous growing variety; blooms early in August; about two feet high. Sow in spring. The flowers are white and very sweet scented, very valuable for bees. Lb 35c

Alsike (Trifolium Hybridum)—Excellent for low lands. Lb. 30c, 10 lbs. $2.50.

Crimson or Scarlet Clover (Trifolium Incarnatum) Is an annual. Improves poor land and restores to fertility those that are worn down by excessive cropping. Grows at all times except when the ground is frozen. May be sown in spring, summer or fall. Splendid for reseeding Red Clover that has been winter killed. This clover is extensively grown in the United States, and we give the latest methods adopted there for its cultivation, etc. Sow 12 to 15 lbs. broadcast per acre, cover light. All soils and situations seem to suit it. Try it on your poorest. If sown early, it makes superior fall and spring grazing, and afterwards a good crop to mow. It is about 15 days earlier than Red Clover, and as a fertilizer one acre represents as much value as twenty tons of stable manure. Lb. 25c, 10 lbs. $2.00. **If going by mail add postage to above prices of Clover.**

Above prices are for No. 1 Grade. Prices subject to market fluctuations.

GRASS SEEDS

Greater attention is being given yearly to the improvement of pastures, and it has been found that where a mixture of permanent grasses has been added to Clover and Timothy, which have heretofore been almost the only seeds used, a better heat resisting sod and a richer and more lasting pasturage has been secured, and the result is of the utmost importance in our dry, hot climate. Many of the grasses contained in our list will be found invaluable for this purpose.

PRICES SUBJECT TO MARKET FLUCTUATIONS. SPECIAL PRICES BY THE BUSHEL.

Red Top Grass (Agrostis Vulgaris)—A valuable native permanent grass, growing in almost any soil, moist or dry, and standing well our hot climate. Best for low ground. Sow two bushels to the acre. Weight per bushel, 14 lbs. Lb. 25c, 10 lbs. $2.00. Fancy, for lawns, 35c lb., 10 lbs. $3.00.

Foxtail, Meadow (Alopecurus Pratensis)—One of the best grasses for permanent pastures, possessing the three great requisites of quantity, quality and earliness, it is particularly adapted for moderately stiff clay and heavy soils; 30 lbs. to acre. Lb. 75c, 10 lbs. $7.00.

Sweet Vernal Grass (Anthoxanthum Odoratum, perennial)—For a pasture mixture it is valuable on account of the fragrant odor it imparts to the hay. Sow 35 lbs. to the acre. Lb 80c, 10 lbs $7.50.

Oat Grass (Avena Elatior)—Is most valuable for pasture on account of its early and luxuriant growth. It produces an abundant supply of foliage, which is relished by cattle early and late in the season. Lb. 40c, 10 lbs. $3.50.

Bromus Inermis (Hungarian Forage Grass)—A hardy, deep rooted species, which has proved highly suitable for Manitoba and the Northwest. Sow 20 to 25 lbs. to acre. Lb. 25c, 10 lbs. $2.00.

Orchard Grass (Dactylis Glomerata)—A valuable grass on account of the quantity of nutritious feed which it yields, and the rapidity with which it grows after being cut or grazed; well adapted for growing in orchards. If allowed to stand for hay it has a rather coarse appearance, but if grazed it has always a fresh green hue. Sow two bushels to acre; weight per bushel 14 lbs. Lb. 35c, 10 lbs. $3.00.

Meadow Fescue (Festuca Pratensis)—Valuable for permanent grass lands. It does not, however, attain its full productive power till the second or third year, when it exceeds most other sorts in productiveness and nutritive matter; relished by stock both in hay and pasture. Sow 40 lbs. to the acre. Lb. 60c, 10 lbs. $5.50.

Creeping Bent Grass (Agrostis Stolonifera)—Excellent for pastures mixed with other grasses, also for tennis and golf mixtures. Moist situations agree well with it. Lb. 45c, 10 lbs. $4.00.

Italian Rye Grass (Lolium Italicum)—One of the most valuable grasses in Europe, considered the best grass to cut green for soiling, affording repeated large and nutritive crops. Sow 3 bushels to the acre; weight per bushel 18 lbs. Lb. 20c, 10 lbs. $1.50.

Canadian Blue Grass (Poa Compressa)—A native grass, which should be in every pasture mixture; will do well on dry soils, or even on clay, hard trodden or poor soils. On account of creeping root stalk it forms a splendid turf. Lb. 25c. 10 lbs. $2.25.

Kentucky Blue Grass (Poa Pratensis)—Thrives on a variety of soils, but does best in dry and somewhat shady situations. It will stand the hottest summers. Sow 3 bushels to the acre; 14 lbs. per bushel. Lb. 35c, 10 lbs. $3.25.

Wood Meadow Grass (Poa Nemoralis)—There is no grass better adapted for pleasure grounds, particularly under trees, as it will not only grow in such places but succeeds where few other grasses can exist. Very early, of bright, rich green. Sow 25 lbs. to the acre. Lb. 75c, 10 lbs. $7.00.

Evergreen Meadow Grass (Poa Sempervirens)—Noted for perpetual greeness, earliness in spring, and the rapidity with which it produces leaves after being eaten or cut, its thick growth, firmness of foliage, and capability of growing under shade of trees render it a most desirable grass for lawns, parks or pastures. Sow 40 lbs. to the acre. Lb. 75c, 10 lbs. $7.00.

Sheep Fescue (Festuca Ovina)—Grows naturally on light, dry and sandy soils; smaller than the other Fescues, but on account of being very nutritious it should always enter into the composition of sheep pastures, as sheep are very fond of it. Sow 30 lbs per acre. Lb. 40c, 10 lbs. $3.50.

Sainfoin (Hedysarum Onobrychis) — Recommended by Experimental Farm, Ottawa. Useful fodder plant. Lb. 25c, 10 lbs. $2.00.

English Rye Grass (Lolium Perenne)—One of the staple grasses of Great Britain, entering largely into the composition of most of the richest meadows and pastures. Sow 3 bushels to acre; weight per bushel 22 lbs. Lb. 20c, 10 lbs. $1.50.

Timothy (Phleum Pratensis)—So well known needs no description. Sow 12 lbs. per acre. Lb. 25c, 10 lbs. $2.35, 100 lbs. $22.50.

Bruce's Mixture of Permanent Grasses and Clover Seeds for Laying Down Land to Pasture.

When ordering permanent Grass Seeds it is necessary that our customers should describe the nature and situation of the soil, subsoil, etc., and state whether they are to be sown with or without crop. Our mixtures are composed of the best Clovers and Grasses, and are arranged in proper proportions to suit the various soils for which they are intended, our aim having always been to produce a rich and nutritious herbage in the shortest possible time. 24 lbs. per acre. Price $5.50 to $7.50 per acre, according to quality.

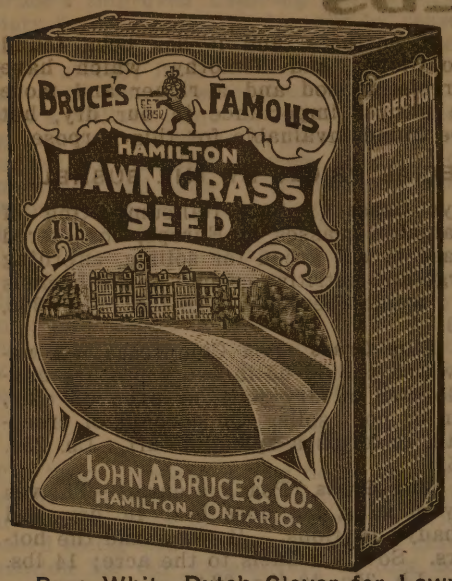
Below we give the Ontario School of Agriculture, Guelph, formula of Grasses and Clovers for permanent pastures:

Four lbs. Meadow Fescue or Blue Grass, 2 lbs. Timothy, 4 lbs. Orchard Grass, 3 lbs. Tall Oat Grass, 2 lbs. Meadow Foxtail, 5 lbs. Lucerne Clover, 2 lbs. White Dutch Clover, 2 lbs. Alsike Clover, total 15 lbs. Grasses and 9 lbs. Clovers, being the quantities required for an acre.. 24 lbs. $7.50.

Clovers and Grass Seeds going by mail require 5c per lb. additional for postage to all Canadian points, and 16c per lb. to the United States and Newfoundland. When ordering Grains, Clovers and Grass Seeds by the bushel remit 30c each for 2 bushel cotton seamless bags.

Use the Little Giant Seeder for sowing Clover and Grass Seeds. See page 106. Price $1.60.

Bruce's Selected Mixture of Grass Seeds for Lawns



The annual increase in our sales of Lawn Grass Seeds is the best assurance of its superiority; and the testimony of those who have used it justifies our claim that it is the most perfect mixture in use for Lawns, Croquet, Golf, Cricket and Lawn Tennis Grounds.

Our mixture is composed of grasses especially selected to produce a close evergreen sod, calculated to withstand to the best advantage the summer heat, and sufficiently hardy to live through the extreme frosts of our northern winters. The greatest care is exercised in the selection of our grass seeds to use only such samples as are absolutely free from weeds, as it is generally found in the preparation of a new lawn that we ds indigenous to the soil are too plentiful without sowing them in a lawn mixture. A top dressing of thoroughly rotted manure in the fall, and a good sprinkling of bone dust in the early spring, with the addition of a light seeding, are great aids in the preservation of the sod. Sixty pounds of seed is sufficient for an acre, and one pound will sow a plot 15 x 20 feet, or 300 square feet. 40c per lb., $3.50 for 10 lbs. Postpaid to Canadian points, 45c per lb.

Bruce's Special Mixture for Shady Places—50c lb., $4.50 for 10 lbs. Postpaid to Canadian points, 55c lb.

Bowling Green Mixture of Grasses—40c lb. $3.50 per 10 lbs. Postpaid to Canadian points, 45c lb.

Pure White Dutch Clover for Lawns—¼ lb. 15c, lb. 50c. Postpaid to Canadian points, 55c lb.

MILLETS

Annual forage plants, valuable for furnishing green fodder and hay in from 60 to 90 days from sowing, producing on good soils extraordinary yields of excellent forage, highly relished by stock. All varieties should be cut in the blossom. Sow from ½ to ¾ bushels per acre.

Common Millet (Panicum Miliaceam)—Very early; height 2 to 3 feet; foliage very broad and very abundant; heads very open, with branching panicles. Peck 45c, bushel $1.50.

Siberian Millet—Grows larger and ranker than the Common, with more leaves; matures early and resists drought. Peck 45c, bushel $1.50.

German or Golden Millet (true)—Medium early; height 2 to 3 feet; foliage closely condensed; spikes very numerous; seeds round, in rough bristly sheaths. Peck 55c, bushel $2.00.

Hungarian (Grass) Millet (Panicum Germanicum)—Early; height 2 to 3 feet; abundant foliage and slender heads; withstands drought and yields well on light soils. Peck 45c, bushel $1.50.

Above varieties 12c per lb., postpaid to Canadian points. Prices subject to ma ket fluctuations.

New Japanese—Very heavy yielder. Grows about 6 feet high; covered with leaves, very juicy; an excellent green fodder and valuable when cured for silo. Sow 15 lbs. to the acre broadcast, or 10 lbs. in drills. Also called "Billion Dollar Grass." 1 lb. 10c, 10 lbs. 75c, 25 lbs. $1.60, 100 lbs. $5.50. If by mail add postage 5c per lb. to Canadian points.

Pearl Millet or Pencillaria—Amongst the known forage plants there is nothing found superior to Pearl Millet either in enormous growth or quality. Produces abundantly, and can be cut several times during the season. If you grow green forage, try Pearl Millet. Drill in 2 feet rows, 10 lbs. to the acre. Lb. 10c, 10 lbs. 90c, 25 lbs. $2.00. If by mail add postage 5c per lb. to Canadian points.

EARLY SOY OR SOJA BEANS

They ripen in Canada, grows nearly 4 feet high, heavily podded, and have yielded over 10 tons per acre. It is said to be a very valuable fodder variety, either for curing, feeding green, or for the silo in mixture with corn. A rich, nitrogenous food unsurpassed as a flesh former, and, like the Clovers, a soil improver. Sow in June broadcast 30 lbs. per acre, or plant in drills 3 ft. apart 1 ft. between the plants. Lb 15c, peck $1.00, bushel $3.50. Postpaid to Canadian Points, 20c lb., 5 lbs for 75c.

COW PEAS

Green crops plowed under are one of the best and cheapest ways of improving the soil. For this purpose the Cow Pea is superior, especially for medium or light soil. They should be sown towards the end of May or June, at the rate of 1½ bushels to the acre, and plowed under as soon as they have attained their full growth. There is no surer or cheaper means of improving poor soil than by sowing Cow Peas. In its capacity as a nitrogen gatherer its growth largely enables the farmer to dispense with the use of nitrogen or ammoniated fertilizers. The stalk and leaves fed green make excellent fodder. They have been grown with marked success by many of the leading fruit growers in this district during the past few seasons.

Whippoorwill—The favorite variety. Lb. 10c, 5 lbs. 40c, peck $1.00, bushel $3.50.

New Era—A little earlier and grows a heavier plant. Lb. 10c, 5 lbs. 40c, peck $1.00, bush. $3.50.

Postpaid to Canadian points, 20c per lb., 5 lbs. 75c. Prices subject to market fluctuations.

FIELD PEAS

Golden Vine—The favorite variety, early, good straw and a splendid yielder. Pk. 40c, bushel $1.50.

Canadian Beauty—Seed large and white, straw strong and of good quality, heavy yielder. Peck 50c, bushel $1.75.

Blue Prussian—Very prolific and excellent for boiling. Peck 60c, bushel $2.00.

Brittany—An excellent early large brown pea, heavy yielder. Peck 50c, bushel $1.75.

White Marrowfat—Prolific, with large pods filled with large peas. Peck 60c, bushel $2.00.

Black Eyed Marrowfat—Equal to the white variety. Peck 60c, bushel $2.00.

Grass—Flinty, but bug proof. Pk 50c, bush $1.75

Postpaid to Canadian points, 15c per lb., 5 lbs. for 60c. Prices subject to market fluctuations.

Remember when ordering Grass Seed, Clover and Grain, to remit for Cotton Bags.

SEED OATS. A CHANGE OF SEED ALWAYS PAYS.

Scottish Chief. New Oat.

Bruce's Scottish Chief—A variety from Scotland, which has met with unqualified praise from all who have seen it. **After being well tested here for 8 years we recommend it with confidence.** It is an early variety, and produces an excellent straw, which stands up splendidly. It is a heavy white oat of splendid quality and yields most abundantly, having beaten every variety in the localities where it has been grown. 80c bushel.

Silver Mine—A very early white oat, ripening with barley, with strong, stiff straw of medium height. It stands straight even in windy and wet weather. A very heavy yielder, with a large number of oats in each head. Those who have grown it will have nothing else. Bushel 80c.

Early Daubeney—The earliest white oat grown, and the best variety to sow along with barley for a mixed grain crop, as they ripen at the same time. It has medium length straw, a spreading head, and yields fairly well. Bushel 80c.

Twentieth Century—A new, heavy yielding variety, thin in hull and a heavy grain, stiff straw and not inclined to rust or smut. Bushel 75c.

Giant Swedish or Golden Giant side Oat—Grows from 4 to 5 feet high, with strong yellow, bright straw; panicles are of great length, the grains closely set and enormously productive. Bushel 80c.

Ligowo, or Sensation—White, early; straw stiff and bright; head long, open and pyramidal; grain plump and heavy; very productive. Bushel 75c.

American Banner—The grain is white, of medium size, plump and even, the straw stands up well. We recommend it highly. Bushel 75c.

Improved Early Banner—Highly recommended, very early, and a good yielder. Bushel 80c.

Siberian White—An early, productive variety, claimed to be rust proof, straw is stiff and strong, grain handsome, plump, and valuable for feeding on account of its thin hull. Highly recommended. Bushel 75c.

Read's New Green Mountain—See Novelties.

Black Tartarian—Imported Scotch pedigree stock. A grand oat and splendid yielder. Bushel $1.40. Postpaid to Canadian points, 5 lbs. 75c.

Black Tartarian—The favorite black oat, early and a good yielder. Canadian grown from the imported Scotch pedigree stock. Bushel 85c.

Black Goanette—Very productive, best suited for heavy lands. Bushel 85c.

Any of the above varieties, except where noted, postpaid to Canadian points, 5 lbs. for 60c.

RYE

Spring—An excellent catch crop for fodder or grain. 50c peck, $1.50 bushel.

Fall—The variety commonly cultivated for grain, straw, green fodder, etc., 35c peck, $1.20 bushel.

Above varieties postpaid to Canadian points, 1 lb. 15c, 5 lbs. 60c.

EMMER (also called Speltz)

It is claimed that this new grain is superior to all other grain for fattening sheep, poultry, cattle, horses, pigs, etc. It is excellent for pasture, and can be fed in a green state also; grows well and produces large crops on poor soil, while dry weather appears to have no effect on it. It is a wonderful stooler. Prepare land as for other grain, and sow about 60 lbs. to acre; cut when the grain is past middle stage of milk, thresh like wheat, only not so closely. Peck 40c, bushel of 40 lbs. $1.20. Postpaid to Canadian points, 1 lb. 15c, 5 lbs. 60c.

TARES OR VETCHES

Black Spring—Species of Pea, grown for soiling or sown with oats for feeding green. 1 lb. 15c, 5 lbs. 70c, postpaid to Canadian points. By freight, peck 70c, bushel $2.50.

Sand or Hairy—It succeeds and produces good crops on poor sandy soils as well as on good land; grows to a height of four or five feet. It is perfectly hardy remaining green all winter, and should be sown in the spring, mixed with oats, spring rye or barley; or during August and September with winter rye, which serves as a support for the plants. It is the earliest crop for cutting, being hardier and nearly a month earlier than Scarlet Clover, and a full crop can be taken off the land in time for planting spring crops. It is exceedingly nutritious, eaten with relish, and may be fed with safety to all kinds of stock. Sow 50 to 60 lbs. per acre with one-half bushel of rye, oats or barley. Lb. 20c, peck $2.10, bushel of 60 lbs. $7.50. Postpaid to Canadian points 25c lb., 5 lbs. for $1.10.

SPRING WHEAT

Manitoba White Fife } —Very productive, splendid milling varieties. Pk. 50c, bushel $1.75.
Manitoba Red Fife }

Read's New Reliable—See Novelties.

Postpaid, 15c lb., 5 lbs. 60c, except Read's.

White Russian—An excellent all-round variety. Peck 50c, bushel $1.75.

Wild Goose—Very productive, bearded head with white chaff, straw stiff, grain hard and flinty, midge proof. Peck 40c, bushel $1.40.

PRICES ON THIS PAGE SUBJECT TO MARKET FLUCTUATIONS.

NEW COTTON BAGS

	Each	Dozen	100		Each	Dozen	100
Smith Mills W	26c	$3 00	$24 00	Stark Mills	22c	3 90	31 00
X	29c	3 30	27 00	Blue Grass Sacks Jute	15c	1 75	14 00
Spring Grove, B	30c	3 50	28 00	Potato Bags, Jute	12c	1 40	11 00
Eagle B	33c	3 90	31 00				

Three supplied at dozen rate; 25 at hundred rate.

MISCELLANEOUS

Beans—Lima, cooking, lb. 10c, 3 lbs. for 25c.
Beans—Red Kidney, cooking, 1 lb. 10c, 3 lbs. 25c.
Bibby's Cream Equivalent—For calves and young pigs. 50 lb. bag $2.25, 100 lb. bag $4.00.
Flax Seed—Choice screened, lb. 7c, 100 lbs. $5.25.
Flax Seed Meal—Pure, lb. 7c, 100 lbs. $5.50.
Lentils—For soup, lb. 15c, 2 lbs. 25c.
Oil Cake—Fine ground, 10 lbs. 25c, 100 lbs. $2.10.
Sugar Cane—Early Amber, lb. 10c, 100 lbs. $6.00.
Sunflower, Giant Russian—¼ lb. 5c, lb. 15c.
Tobacco—Conn. Seed Leaf, pkt. 5c, oz. 30c, lb. $3.
Tobacco—White Burley, pkt. 5c, oz. 50c, lb. $5.00.
Tobacco—Havana, pkt. 5c, oz. 60c, lb. $6.00.
Wild Rice—¼ lb. 10c, lb. 30c, 100 lbs. $25.00.

Postage at the rate of 5c per lb. to Canadian points, and 16c per lb. to Newfoundland and the United States must be added to the above prices if required by mail. Prices on this page subject to market fluctuations.

NITRO-CULTURE

This new method of fertilizing soils is endorsed by the U. S. Department of Agriculture.

Bug Death Kills Bugs. See page 92.

The accompanying photograph of garden peas was taken last June, sown side by side on the same day. One row inoculated with your NITRO-CULTURE, the other row uninoculated. On the inoculated row the pods were nearly twice as large, the most of them producing 11 peas in a pod and of better quality, vines stronger and more than double the quantity of peas NITRO CULTURE is all right and something we can't afford to do without in the future. I also used NITRO-CULTURE on Sweet Peas where they grew them in the same place every year. The growth was remarkable, producing more bloom, and the vines kept green longer than they ever did before. (Signed) JAMES NICOL.
Falmouth, Mass., August 6th, 1905.

Specimen plants characteristic of uninoculated and inoculated fields of Alfalfa, on farm near Bynum, Hartford County, Maryland. The uninoculated plants turning yellow, though sown on ground richer and better than the inoculated field. Gain from inoculation nearly 500 per cent by weight.

IMMENSE CROPS WITHOUT FERTILIZERS

A new, sure and easy way has recently been discovered to make worn-out or poor land enormously productive without fertilizers and almost without expense. Plants need nitrogen—can't grow without it. Heretofore fertilizers have been needed to put nitrogen into the soil. Nitrogen is very necessary—is the most expensive part of fertilizers. The new way is easier, surer and cheaper—it is to let nitrogen-gathering germs feed the plants. The soil is full of air. Air is four-fifths free nitrogen. Right here the new discovery comes in. Plants cannot extract nitrogen from the air, but there are germs that can.

These germs, when put into the soil, fasten themselves to the roots of the plants, draw the free nitrogen out of the air and feed it to the plants.

These germs come ready for use in a form called Nitro-Culture. It is put up in small, dry packages you can put in your vest pocket. Simply add it to water and sprinkle the water over the seeds before planting. The germs remain on every seed—live with it—increase about it—feed the roots when they start, and keep on feeding them. They also enrich the soil by storing nitrogen in it, so that the second year's crop, whatever it may be, is increased from 2 to 10 times. When ordering, state what particular crop you desire to inoculate. Crops mentioned together require the same bacteria. Those not mentioned below, there is no bacteria for.

Alfalfa or Lucerne.	Soy Beans.
Red and Mammoth Clover.	Field Peas.
Alsike and White Clover.	Sweet Peas.
Cow Peas.	Vetch or Tares.
Garden Peas.	Crimson Clover.
Garden Beans, Wax, Green Pod.	Pea and Lima.

PRICE LIST.

Trial package 60c, 1 acre package $1.80, 5 acre package $6.00.

Garden Package—Sweet Peas, 30c; Garden Beans, 30c; Garden Peas, 30c.

Guaranteed to keep six months from date of shipment, and can be used within that time.

Circulars with testimonials on application.

FLOWER SEEDS

A Few Brief Practical Directions on Their Management

To be successful in the raising of plants from seeds requires much greater care than is commonly exercised, and many packets of valuable seeds are annually destroyed for the want of a little skill and forethought. Inattention or want of skill in watering is undoubtedly the main source of failure, *a single hour of a dry surface at certain stages of germination being sufficient in many cases to destroy life.* Amateurs especially are reminded that there can be no fixed time for watering; *the surface of the soil must never be allowed to become quite dry, neither must it at any time become decidedly wet,* and to maintain this intermediate state is one of the essential conditions of success.

FLOWERING PLANTS ARE USUALLY DIVIDED INTO THE FOLLOWING SECTIONS:

ANNUALS, BIENNIALS, PERENNIALS.

Annuals—Plants which require to be sown annually, as they live and bloom only one season.

Biennials—Plants which do not flower until the second season after sowing, remain a certain time in perfection and then die. They are produced from seed and some of the finest varieties are propagated from cuttings.

Perennials—Plants which continue to grow and bloom annually.

Annuals are called either *hardy, half-hardy or tender.* Hardy annuals will grow and blossom in the border without any artificial heat or protection, and may be sown during the months of May and June. The soil should be well prepared and neatly leveled and the seed sown either in small patches, each kind by itself or in drills. In about a month, more or less, many of them will be fit to transplant, which should always be performed in cloudy or rainy weather.

Half-hardy annuals applies to those annuals which, although they will flower freely in the open ground, require artificial heat to assist germination, and protection rom atmospheric changes during the earlier stages of their growth, many of them are of great beauty and interest and derive an additional value from flowering after most of the hardy annuals are out of bloom.

Tender annuals require the aid of greenhouse or conservatory to bring them to perfection. The seeds are generally sown in March, placing them in a warm part of the greenhouse or plunging them into a moderate hot-bed carefully protecting them from cold, shading them from the sun and watering them with a fine rose watering pot.

Biennials and Perennials may be sown at the same time as Annuals of the same degree of hardiness and treated similarly, except such of the hardy kinds as do not bloom the first year. These last may be thinned out or removed from the seed beds as soon as they are well rooted and planted either in different parts of the garden, or into a nursery bed, in rows a foot or more apart. Some Biennials and Perennials may be sown in September or as soon as the seeds are ripe, and if the plants get strong enough before the setting in of winter, most of them will flower the next season.

On the Preparation and Management of a Hot-Bed for Raising Seedlings.

"Sow in heat, sow in hot-beds," are the directions so commonly found in the notices of half-hardy annuals, that we feel that we shall be materially aiding those who are their own gardeners if we give a few simple directions on the subject of hot-beds composed of stable manure, the most frequent and useful form in which it is to be found.

The preparation of the manure is a matter of great importance, and if the bed be expected to retain its usefulness for any length of time it should be well worked previous to being used. If obtained fresh from the stable yard and found to be dry, it should be well watered and thrown lightly together to ferment This will take place in the course of a few days, and three or four days afterwards it should be completely turned, well shaken and mixed, keeping the more littery portion to the interior of the heap; a second watering and turning may be necessary, although one will be generally sufficient. When thus cleansed of its rankness the beds may be made.

The situation for this should be dry underneath, sheltered from the north as much as possible and fully exposed to the sun; it should be built from two feet six inches to four feet high, and wider by six inches each way than the frame to be placed upon it. The manure should be well shaken and mixed up while being put together, and firmly pressed with the foot. The frame should be kept closed till the heat rises, and three or four inches of sifted sand or ashes should be placed on the surface of the bed. In a few days it will be ready for use, but air should be given night and day while there is any danger of the rank steam, and if the sand or ashes are drawn away from the side of the bed they should be replaced.

BRUCE'S 25 CENT FLORAL COLLECTIONS FOR 1912

The following collections of Flower Seeds are arranged specially for the benefit of purchasers who find difficulty in making a selection where there are so many varieties in a class to choose from. Each collection contains an assortment of the most brilliant shades, giving the greatest diversity of color obtainable, and all are selected from our choicest strains. We offer them at half our catalogue price to encourage the more general cultivation of flowers and to disseminate a knowledge of the different varieties. We have been so successful in capturing the public taste with our selections that we feel a degree of pride in referring to it, and it is our intention to maintain this standard of perfection.

BRUCE'S COLLECTION OF FLORAL GEMS.

Larkspur, choice mixed.
Phlox Drummondii, mixed colors.
Candytuft, mixed colors.
Cockscomb, finest feathered.
Balsam, double flowered, mixed colors.
Dianthus (Pinks), single and double mixed colors.
Petunia, striped and blotched.
Zinnias, large flowering, mixed colors.

Eight beautiful varieties for 25 cents.

BRUCE'S EMPIRE COLLECTION OF ASTERS.

Queen of the Market, finest mixed.
Truffaut's Perfection, finest mixed.
Victoria, finest mixed.
Late Branching, finest mixed.
Giant Comet, finest mixed.

Five superb varieties, all colors, for 25 cents.

BRUCE'S ROYAL NOSEGAY OF SWEET PEAS.

Nora Unwin.
Gladys Unwin.
St. George.
Phenomenal.
John Ingman.
King Edward.
Mrs. Geo. Higginson.
Duke of Westminster.

Eight exquisite varieties for 25 cents.

BRUCE'S PEERLESS COLLECTION OF DWARF NASTURTIUMS.

Aurora.
Vesuvius.
King Theodore.
Queen of Tom Thumbs.
Empress of India.
Chameleon.
Lady Bird.

Seven of the finest varieties for 25 cents.

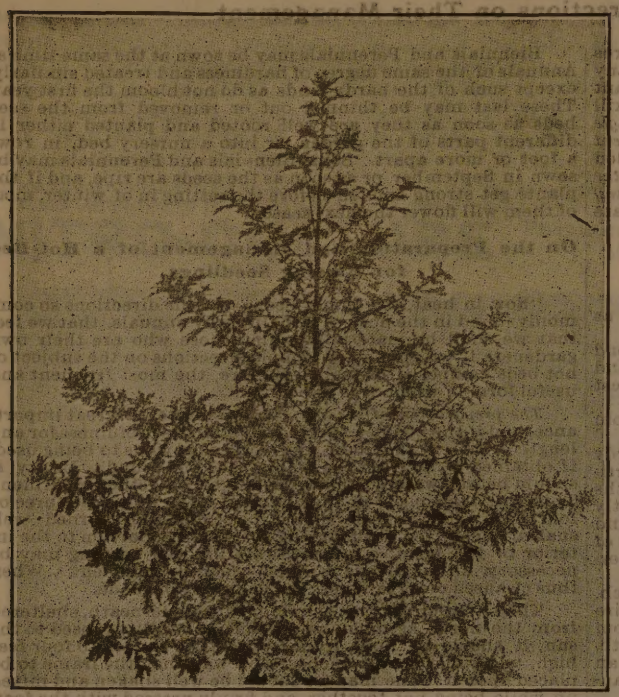
BRUCE'S PEERLESS COLLECTION OF TALL OR CLIMBING NASTURTIUMS.

Dark Crimson.
Black Prince.
Primrose.
Firefly.
Fashion.
Rudolph Virchow.
Jupiter.

Seven of the best tall or climbing sorts for 25 cts.

Floral Novelties for 1912

THE DESCRIPTIONS GIVEN ARE THOSE OF THE GROWERS



Summer Fir.

Artemisia Saccorum Viridis, "Summer-Fir."

This new ornamental foliage plant introduced from China is an annual, and owing to its fast growth it reaches its full size in the year of sowing. It forms grand pyramidal bushes of 3 to 5 feet in height. As a solitary plant it looks like a nicely grown out Christmas Tree. Also as a pot plant it is very pretty, and may also be successfully grown in groups and borders, similar to Kochia trichophylla, the Summer Cypress. The color of the finely pinnated foliage is a rich dark green. Remarkable is its surprising insensibility against drought and heat, for which it showed proofs during the past dry summer. It will stand several degrees of frost without injury. Plants cultivated in the open ground may successfully be planted into pots without any interruption of their growth. Last, but least, there may be mentioned that cut branches last very long and may to the greatest advantage be used for wreaths, decoration, etc. For its great availability and its most easy culture, this novelty may most warmly be recommended to all amateurs. Pkt. 15c.

New Canadian Aster, The Brooking

Of local origin. This magnificent Aster was raised by Mr. W. H. Brooking, Dundas, who, after years of selection has produced a flower that in form is absolutely perfect, and the yellow centre entirely eliminated. Of the late branching type, sturdy, upright growth, 24 to 30 inches high, bearing on long, straight stems the most perfect double flowers of the largest size. We give a reproduction from a photograph of a small block of the Brooking white. We have secured from Mr. Brooking his entire crop of seed, which, however, is again very limited this season.

Giant Pure White. Pkt. 10c.

Giant Pink and Rose. Pkt. 10c.

New Canadian Aster, The Brooking.

FOUR BURBANK NOVELTIES

RAINBOW CORN—Beautiful as the most beautiful dracaenas. Broad stripes of crimson, yellow, white, green, rose and bronze. This has been on exhibition by the California Development Board during the past season and has been the admiration of everybody. Nothing like it for decorative purposes, either for garden or cutting. As easily grown as field corn. Pkt. 10c.

IPOMEA, New Imperial Carmine—One of the wonderful Japanese Morning Glories, which, unlike most of this class, will grow anywhere and bloom abundantly all summer. Most gorgeous rosy-carmine flowers two and one-half to three inches across with pure white throat. Pkt. 10c.

NEW SHIRLEY POPPY, CELESTE—Beautiful sky-blue, lavender and gray shades in abundance, never before offered, very choice and rare. Pkt. 10c.

EVERLASTING PEA, LATHYRUS LATIFOLIUS—New giant flowering hybrids, white, pink and crimson mixed. Pkt. 10c.

Golden African Marguerite.

Golden African Marguerite

(Dimorphotheca Aurantiaca). A rare and extremely showy annual from Namaqualand, South Africa. The plants of very neat, branching habit, grow about 12 or 15 inches high, and are exceedingly profuse in flowering. Its Marguerite-like blossoms, 2½ to 2¾ inches in diameter, show a unique glossy, rich orange-gold, which brilliant coloring is rendered the more conspicuous by the dark colored disc surrounded by a black zone. This splendid annual is well adapted for groups or borders, it produces its pretty flowers very early after being planted out in the open ground in sunny situations, and will continue to flower during the summer months. Pkt. 15c.

Delphinium Belladonna

(Everblooming Hardy Larkspur.)

This charming new variety is the freest and most continuous blooming of the hardy Larkspurs, never being out of flower from the end of June until frost. The flowers are gracefully borne and never crowded upon the spikes as in the ordinary types of Delphinium and are much more attractive for cutting and decorative work. The plants grow from three to ve feet high, and are self-supporting. The individual flowers measure two inches across, the colors ranging from lightest lavender and azure-blue through the loveliest intermediate shades to deepest blue. Seed sown in early spring will produce plants that will bloom freely through the late summer and autumn. Per pkt. 15c.

Ageratum, Little Blue Star

This pretty new variety is entirely different from all other dwarf Ageratums. The wee bushy plants do not exceed 4 or 5 inches in height, and are literally covered with clusters of small, bright blue flowers, which before opening show a reddish-purple centre. A splendid plant for borders, edgings, etc. Pkt. 15c.

Primula Kewensis

Awarded a First-class Certificate at the Royal Horticultural Society.

This charming addition to the greenhouse Primroses originated at the Royal Gardens, Kew. The plant is a strong grower, with bright green leaves, numerous erect flowerscapes, 10 to 18 inches in height, producing flowers in whorls at intervals along their whole length. The flowers are fragrant; bright yellow in color. As a winter flowering decorative plant it is an acquisition. The floriferousness in a very small state is quite remarkable; the spikes are useful for cutting, and the flowers continue to open for some time after being placed in water. Pkt. 25c.

Primula Obconica Gigantea

This is the finest of the Obconica type yet introduced, of strong, vigorous growth, with extra large individual flowers and flower heads, borne on extremely strong stems. In color they vary from pale lilac to rose, and make handsome specimen for window garden or conservatory decoration and are a splendid cut flower. Pkt. 25c.

New Variegated Tall Nasturtiums, Stark's Hybrids

The foliage of these new Nasturtiums is strikingly variegated with cream and gold, some having a distinct scarlet picotee edge. The flowers are a splendid mixture of yellow, yellow with scarlet, scarlet, crimson ruby, etc. A splendid variety for covering rockeries, etc. Pkt. 10c.

Delphinium Belladonna.

Abundance Stock.

New Early Large Flowering Giant Nice Winter Stock

Beauty of Nice—Fleshy pink. . . . . Pkt. 10c
Almond Blossom—White, shaded carmine . . . Pkt. 15c
Queen Alexandra—Rosy-lilac . . . . . Pkt. 10c
Abundance—Carmine-rose. . . . . Pkt. 15c
Mont Blanc—Snow-white. . . . . Pkt. 15c

Mignonette, White Pearl.

A white flowered variety of the popular Machet Mignonette, of the same stocky, robust growth, producing in great abundance large, broad, conical heads of deliciously fragrant white flowers. Pkt. 10c.

Salvia Splendens, Fireball—Flowering Sage

Of the many sorts of Salvia now cultivated, this splendid novelty undoubtedly is one of the best. The bushy plant, 20 inches high, is covered with long, broad flower spikes with a great number of flowers of the most fiery scarlet. The plants branch freely and are profuse bloomers, the side shoots often producing 4 to 6 flowering spikes so evenly divided over the foliage and of such erect habit as to hide the foliage. It is very early flowering in July, and continuing without a break until frost. It is easily raised from seed and comes true. Pkt. 15c.

Salvia Compacta Zurich

This is the earliest flowering of all Salvias; compact and dwarf. This grand new variety begins to bloom about the first of July, continuing without interruption until frost. The compact and dwarf habit of the plant makes it most suitable for small beds or borders. Pkt. 15c.

Poppy, King Edward

The plants of this new variety, 2½ feet in height, bring forth in great profusion large flowers of a deep scarlet, shaded crimson red, of gorgeous effect, which is heightened by the large black blotch adorning each petal for half its length from the base. From this sable hue the yellow anthers stand out in appropriate contrast. This handsome Poppy, which comes quite true from seed, is highly ornamental, and most effective groups for border decoration can be made. Pkt. 15c.

Poppy, King Edward.

Admiral Poppy.

Admiral Poppy

This single, paeony-flowered Poppy is of surprising beauty. It is characterized by large, round, smooth-edged flowers of glistening pure white, with a broad band of brilliant scarlet around the top, occupying a full quarter of the corolla. These two colors form an extremely telling contrast, similar to that seen in the variety Danebrog. Planted in groups, the new Admiral Poppy, which comes nearly true from seed, produces a magnificent effect. Pkt. 10c.

New Giant Oriental Poppy, Colossal

The plant of this new variety is of strong growth, bearing its enormous glowing scarlet upright flowers on stems over 4 feet high. Hardy perennial. Pkt. 20c.

Lupinus Polyphyllus Roseus

A beautiful variety of the old-fashioned hardy perennial Lupine, with showy rosy-pink flowers, which are borne in long spikes raised well above the handsome satiny palmate leaves; makes an attractive display from June to September. Pkt. 10c.

Nigella Miss Jekyll

A particularly fine variety of this charming annual, growing about 18 inches high and bearing on long stems lovely cornflower-blue flowers, which are much prized for cutting in the leading European cities. As easy to grow as Nasturtiums and remaining in bloom the greater part of the summer. Pkt. 10c.

FOUR SUPERB NEW SPENCER SWEET PEAS FOR 1912

Sweet Pea—The New "Duplex Spencer."

The best of all Pink Sweet Peas for Bouquets.

Duplex Spencer produces uniformly large, waved flowers of true Spencer type. In color both the standard and wings are a rich cream-pink, and practically all the plants give flowers with double or triple standards. On the sprays of four blooms each (of which there is a great number) the two lower flowers are double, while sometimes three of the flowers are double. The three-bloom sprays give the one or two lower flowers with twin or triple standards. Even the flowers which have only a single standard are magnificent, being all uniformly waved and crimped both in standard and wings. The beautiful lemon keel, in addition to the double standard, materially enhances the effectiveness of these flowers when bunched. Of strong, vigorous growth, the vines bear the grand flowers most profusely upon long, stiff stems. We are sure that market growers will find that the new Duplex Spencer will be one of the most profitable Sweet Peas they can grow for cutting, while amateurs will be delighted with it. Pkt. 15c.

New Spencer—Vermilion Brilliant

The most brilliant, iridescent scarlet Spencer yet produced.

The flowers are of perfect form. The bold, erect standard is well waved and fluted in true Spencer style, of large size, beautifully rounded and finishing well below the keel. The wings are of the same intense pure scarlet as the standard, making a uniform self-color throughout and **absolutely sunproof.** For exhibition or garden decoration we are confident that this sterling novelty will take a prominent and lasting place in the esteem of all lovers, growers and exhibitors of Sweet Peas. Pkt. 15c.

New Spencer—Irish Belle, or "Dream."

A superbly beautiful variety that shows quite a new shade in Sweet Peas. The coloring is uniform in both standard and wings, a lovely rich lilac, flushed with pink, which gives a very distinct and soft tone throughout the entire flower. Of finest Spencer type, waved in both standard and wings, the flowers are of large size and well placed on long stems. Pkt. 15c.

Sweet Pea—Pearl-Grey Spencer

Pearl Gray is truly a descriptive name. The nearest to this same color that has existed heretofore is the Grandiflora Lady Nina Balfour. It is certainly a most lovely and distinct shade that might be described as a pearl or dove-gray, suffused with light rose, showing a trifle more of the delicate rose shading in the standard. The flowers, borne in clusters of three and four, are of the largest size and uniformly of true Spencer type, being waved in both standard and wings. Pkt. 15c.

OUR LAST SEASON'S NOVELTIES

"MAUD HOLMES"

Sunproof Crimson Spencer.

This is undoubtedly one of the finest novelties of recent introduction; flowers are of the largest size, three and four to a spray, carried on long stems, of brilliant crimson, the blooms are of the true Spencer type, both standard and wings being well waved. The variety will not burn under the hottest sun, is of vigorous and strong growth. Pkt. 15c, oz. $1.25.

Ethel Roosevelt—A true waved variety of the largest and most perfect Spencer type. The ground color is a soft, pleasing primrose, overlaid with dainty flakes and splashes of blush crimson, undoubtedly the most beautiful of all striped or flaked Sweet Peas; of strong, robust growth, and extremely free flowering. Pkt. 15c, oz. 75c.

Florence Nightingale—The flowers of this new lavender Spencer are truly magnificent, and of immense size. The standard is unusually large and bold, frequently measuring two inches across. The color is most charmingly soft and yet rich lavender. The plant is extremely robust in growth, flowering most profusely. The stout stems attain 12 to 16 inches in length, and a large proportion bear four well-placed flowers. Pkt. 15c, oz. 75c.

Queen Alexandra Spencer—Bright scarlet-red. The flowers are uniformly of the largest size and finest form, and their vigorous vines flower most freely. Pkt. 10c, oz. 50c.

Mrs. Hugh Dickson—A cream pink Spencer on buff ground, very fine form; flowers well placed on long stems; a charming flower. Award of merit N. S. P. S., 1910. Pkt. 10c, oz. 75c.

BRUCE'S SELECTED FLOWER SEEDS

ALL FLOWER SEEDS SENT FREE BY MAIL AT CATALOGUE PRICES.

Abronia.

A ..ONIA.

A pretty creeping plant with verbena-like heads of sweet-scented flowers. Hardy annual.

Umbellata Grandiflora—Delicate rose. Pkt. 5c.

Arenaria—Lemon color. Pkt. 5c.

ABUTILON.

Large flowers in red, white, rose and orange; richly ei..ed; suitable for house in winter and garden in summer; half hardy shrubs; easily raised from seed.

Finest mixed hybrids, pkt. 10c.

Abutilon.

ACHILLEA.

Ptarmica Fl. Pl. (Double White Yarrow)—One of the best hardy white perennials, grows about 2 feet high, and from spring till frost is covered with heads of pure white flowers; easily grown from seed, flowering the first season if sown early. **The Pearl**—Extra double. Pkt. 10c.

ACONITUM.

Monkshood—A free blooming plant of easy culture; flowers blue and white; 3 feet; hardy perennial. Pkt. 5c.

Ageratum.

AGERATUM.

Very valuable and showy bedding plants. If lifted in fall and placed in the parlor or greenhouse will keep up a succession of flowers during the winter. Annual.

Mexicanum—Blue. Per oz. 30c, pkt. 5c.

Dwarf Blue—Azure blue, very floriferous. Pkt. 5c.

Dwarf white—Extra fine. Pkt. 5c.

Victoria Louise—Sky blue flowers with white centre. Very pretty. Height seven inches. Pkt. 5c.

Blue Perfection—This is the darkest colored of all the Ageratums; color deep amethyst blue; compact growth; fine bedder. Pkt. 5c.

Little Blue Star—Charming novelty. See description page 42. Pkt 15c

ALYSSUM.

Free flowering, useful, pretty little plants for beds, edgings, and rock work, blooming all summer; they also succeed well in the greenhouse for winter and early spring flowers, and are much used in bouquets because of their delicate fragrance. Annual.

Sweet Alyssum—Height ½ foot. Oz 30c, pkt. 5c.

Little Gem—Dwarf compact habit; 4 inches. Pkt 5c

Saxatile Compactum—Flowers golden yellow; very pretty. Hardy perennial; height 9 inches. Pkt. 5c.

AGROSTEMMA.

Coronaria—Rose Campion—Free blooming and pretty. Hardy perennial. Pkt. 5c.

Coeli Rosea—Rose of Heaven—Flowers bright rose, excellent for cutting. Height 18 inches. Hardy annual. Pkt. 5c.

AMARANTHUS.

Ornamental foliage plants of extremely graceful and interesting character, producing a striking effect, whether grown in a conservatory or flower garden. Hardy annual.

Melancholicus Ruber—Crimson foliage, 2 ft. Pkt 5c

Tricolor Splendens—Joseph's Coat—Very pretty; 2 feet. Pkt. 5c.

AMPELOPSIS VEITCHII.

Japanese Ivy—This beautiful climber, generally known as Boston Ivy, is specially adapted for covering brick or stone buildings. Hardy perennial. Pkt. 5c.

Plants (two-year-old) 30c each, $3.00 per dozen, postpaid.

Sweet Alyssum.

ANTIRRHINUM.

Snap Dragon—An old garden favorite, of easiest culture. For gorgeous colorings few flowers can match them. Raised under glass in spring and planted out, all the varieties will bloom profusely during summer and into autumn. They thrive in any soil, the tall sorts yielding an abundance of fine cut flowers, while the dwarf sorts make handsome edging. Half-hardy perennial.

Queen of the North—The plants form elegant symmetrical little bushes, covered with large white flowers of beautiful form, standing well above the foliage; suitable for bedding and pot culture; 1½ feet. Pkt. 5c.

Tom Thumb—Finest mixed; ¾ foot. Pkt. 5c.

Tall Varieties—Finest mixed; 2 feet. Pkt. 5c.

Giant Flowered—The flowers of this new strain are much larger than those of the old type, and the plants grow taller.

Finest Giant Mixed—All colors. Pkt. 10c.

Queen Victoria—Very large, pure white flowers. **Pkt. 10c.**

Imported collection Giant Flowered, 6 varieties, 40c.

Imported collection Giant flowered, 12 varieties, 75c.

Aquilegia.

AQUILEGIA OR COLUMBINE.

An extremely showy genus of early summer blooming plants, their flowers being beautiful both in form and color. Hardy perennial.

White Spurred (Chrysantha Gran. Alba)—A beautiful large pure white, long spurred variety. Pkt. 10c.

Long Spurred Hybrids (Coerulea hybrids)—Superb long spurred flowers, in a great variety of colors. Pkt. 10c.

Double Mixed—Pkt. 5c.

Choice Mixed—Many sorts, single and double. Pkt. 5c.

Giant Flowered Antirrhinum.

ARABIS ALPINA.

One of the earliest spring flowering hardy perennials; it grows about six inches high, of dwarf, spreading habit, and profusely covered with pure white, fragrant flowers; fine for rockeries. Pkt. 5c.

Auricula.

ARCTOTIS GRANDIS.

A new annual from Southwest Africa. The leaves are soft and whitish. Its flower heads, borne on long stems, are from 2½ to 3 inches across; the ray florets being pure white on the upper surface, are embellished by a narrow yellow zone at their base; reverse of petals pale lilac; of easy culture; height 2 feet. Pkt. 5c.

AURICULA.

A well-known variety of great beauty, succeeding best in northern aspect. Half-hardy perennial.

Choice mixed—Pkt. 10c.

ARISTOLOCHIA SIPHO.

(Dutchman's Pipe Vine.)

A vigorous and rapid growing climber, and trained against the house or verandah the effect of its massive foliage is matchless; brownish-colored pipe shaped flowers. Hardy perennial. Pkt. 10c.

ASPARAGUS SPRENGERI.

Specially useful to grow as a pot plant for decorative purposes or for planting in vases or suspended baskets. It grows freely the whole year round; as it withstands dry atmosphere it makes an excellent house plant. A vigorous grower, producing sprays four to five feet long, of fresh, green, feathery foliage. Useful for bouquets, wreaths or sprays, remaining perfect for weeks after cutting. Pkt. 10c.

ASPARAGUS PLUMOSUS NANUS.

A beautiful plant, with bright green, gracefully arched foliage, surpassing Maidenhair Ferns in grace, delicacy of texture and richness of color. The fronds are twelve to fifteen inches in length, and taper to a point from a width of twelve inches. One of the most beautiful decorative plants. Pkt. 20c.

Asparagus Plumosus.

The "Brooking" Aster—Giant White.

Of local origin. This magnificent Aster was raised by Mr. W. H. Brooking, Dundas, who, after years of selection has produced a flower that in form is absolutely perfect, and the yellow centre entirely eliminated. Of the late branching type, sturdy, upright growth, 24 to 30 inches high, bearing on long, straight stems the most perfect double flowers of the largest size. See above reproduction from a photograph.

Giant Pure White—Pkt. 10c.

Giant Light Pink and Rose, mixed—Pkt. 10c.

NEW HOHENZOLLERN.

A new large flowered strain of the best Comet type. Plants are of a strong bushy habit of growth, the handsome flowers being borne on long strong stems, are unsurpassed for cutting; height 20 to 24 inches.

White .. .. ..Pkt. 10 Pale Pink .. ..Pkt. 10
Mixed, many colors.. .. ..Pkt. 10

EARLY FLOWERING HOHENZOLLERN.

Like preceding as to habit and shape of flowers, and considerably larger than those of the Queen of the Market, while just as early as that variety.

Pure White.. ..Pkt. 10 Pink .. ..Pkt. 10

New Japanese—The flowers are of immense size, with long petals curiously waved and curled, so as to give them a striking resemblance to the most disheveled Japanese Chrysanthemums. Height 14 to 15 inches. Mixed colors. Pkt. 10c.

Dwarf Chrysanthemum-Flowered—Flowers very large a d double, resembling Chrysanthemums. Height 9 to 12 inches.

Pure White, extra fine.. .. ..Pkt. 10
Choice mixed, all colors .. ..Pkt. 10

Victoria Needle—Flowers large and double; petals twisted as round as needles, the effect being unique and charming; height 18 inches.

Choice mixed, all colors .. ..Pkt. 10

DOUBLE ASTERS

The Aster is not only one of the most popular, but also one of the most productive of our garden favorites, producing in profusion flowers in which richness and variety of color are combined with the most beautiful and perfect form. In our flower beds and mixed borders it occupies a deservedly prominent position. All the varieties delight in a rich, deep soil, and in hot, dry weather should be mulched with well-rotted manure and frequently watered. Hardy annual.

QUEEN OF THE MARKET.

An extra early variety of graceful spreading habit; valuable for cutting.

Pure White .. ..Pkt. 5 Scarlet.. .. .. ..Pkt. 5
Rose Pink. .. ..Pkt. 5 Purple.. .. .. ..Pkt. 5
Flesh Color .. ..Pkt. 5 Choice Mixed. ..Pkt. 5

GIANT COMET ASTER.

A magnificent class, of strong growth. The handsome flowers, which are extremely loose and graceful, are borne on long stems; of great value for general decorative purposes; height 18 to 24 inches.

The Bride—White, changing to rose. Pkt. 10c.

Pure White.. ..Pkt. 10 Pink .. ..Pkt. 10
Crimson.. .. ..Pkt. 10 Lavender. .. ..Pkt. 10
Salmon Rose. ..Pkt. 10 Purple. .. .. ..Pkt. 10
Mixed, all colors .. ..Pkt. 10

DWARF VICTORIA.

Admirably adapted for bedding and also florists' use; height 9 to 12 inches.

Pure White.. ..Pkt. 10 Choice Mixed. ..Pkt. 10

LARGE FLOWERED VICTORIA.

A magnificent race of Asters, flowers are large, globular and double; plants pyramidal, bearing from 10 to 12 blooms at one time; height 18 to 20 inches.

Pure White.. ..Pkt. 10 Peach Blossom .Pkt. 10
Pale Pink. .. ..Pkt. 10 Crimson.. .. ..Pkt. 10
Light Blue .. ..Pkt. 10 Purple. .. .. ..Pkt. 10
Choice mixed, all colors, pkt. 10c.
Imported collection of 12 separate colors, 75c.
Imported collection of 6 separate colors, 50c.

ASTERS—Continued.

LATE BRANCHING ASTER.

A variety of American origin. The flowers are borne erect on very long stems. The broad, wavy petals are gracefully curled and twisted. Being a late bloomer, the flowers come at a time when other kinds are scarce, and are thus the more prized.

Rose-Pink	Pkt. 10	Crimson	Pkt. 10
Shell-Pink	Pkt. 10	Purple	Pkt. 10
Pure White	Pkt. 10	Lavender	Pkt. 10
Deep Rose	Pkt. 10	All colors mxd	Pkt. 10

Crown or Cocardeau—A very showy variety; flowers double, with a white centre surrounded by petals of a distinct bright color; height 18 to 20 inches. Choice mixed. Pkt. 10c.

Lady in White—The pure white flowers of this free-flowering variety are borne on slender stalks, and have the same graceful semi-globular form as the Mignon. Indispensable for florist work. Pkt 10c.

Triumph—A distinct variety, forming compact plants from 8 to 10 inches high. The flowers are large and of rare beauty, the petals being beautifully incurved. Makes a fine pot plant, and is unequalled as a bearer. Choice mixed. Pkt. 10c.

German Quilled Betteridges — Petals quill shaped; flowers large and double; height 2 feet. Choice mixed. Oz. $1.00, pkt. 5c.

Truffaut's Paeony-Flowered Aster.

TRUFFAUT'S PAEONY-FLOWERED.

One of the most perfect and popular of the Asters, the flowers being very double, large and handsome; petals incurved; height 18 to 24 inches.

Snow White	Pkt. 10	Bright Rose	Pkt. 10
Pale Pink	Pkt. 10	Light Blue	Pkt. 10
Crimson	Pkt. 10	Purple	Pkt. 10
Choice Mixed, all colors			Pkt. 10

Imported collection of 12 separate colors, 60c.
Imported collection of 6 separate colors, 40c.

Sunlight—Sulphur Yellow—The finest of its color. The flowers are borne on long stiff stems, and measure 3 to 4 inches in diameter; height 18 to 20 inches. Pkt. 10c.

Our Special Offer in Asters

BRUCE'S EMPIRE COLLECTION FOR 1912

Five Superb Varieties for 25 cents.

All separate; mailed to any address for 25 cents; usual catalogue price 45 cents.

Late Flowering Branching Aster.

VARIOUS AMERICAN ASTERS

CREGO'S GIANT ASTER.

The flowers are of immense size. The plants are of sturdy growth, attaining a height of over 2 feet, well branched, with long strong stems and artistic fluffy flowers rarely less than 4 in. across.

Crego's White	Pkt. 10	Crego's Shell Pink	Pkt 10
Crego's Rose	Pkt. 10	Crego's Purple	Pkt 10
Crego's All Colors, mixed			Pkt 10

Daybreak—The flowers are round, very large and full, on long stems. The color is a lovely sea-shell pink. It is an early bloomer and a strong compact grower. Pkt. 10c.

Purity—Identical in every way to Daybreak, but a pure snow white. Pkt. 10c.

CARDINAL ASTER.

A distinct bright rich carmine, surpassing all other Asters for brilliancy of color and profusion of bloom. The flowers are large, round and full, and borne on stems of average length. Pkt 10.

SUNSET ASTER.

Similar in habit to the Daybreak Aster. The flowers are a delicate shade of light pink, shading to a deep rich pink in the centre, globe shaped, borne on long stiff stems; a free bloomer. Pkt. 10c.

MIKADO PINK ASTER.

Of the finest Comet type; the petals are narrow, very long and gracefully reflexed. In color it is a most exquisite shade of lavender-pink; the flowers, which average from 4 to 6 inches in diameter, are borne on long, strong, graceful stems. Pkt. 10c.

BRUCE'S SUPERB MIXTURE OF ASTERS.

The best large-flowering varieties of different types, suitable for cut flowers, such as Truffaut, Hohenzollern, Giant Comet, Victoria, Late Branching and other desirable sorts. This select mixture contains a liberal proportion of white and light shades, ensuring a most satisfactory result in color. ¼ oz. $1.00, pkt. 10c.

German Mixed Asters—A good mixture of different types. Oz 75c, pkt. 5c.

DOUBLE BALSAM

Well known and deservedly popular plants, producing flowers in wonderful profusion, resembling the Camellia in form, and often fully as double. Half-hardy annual.

White .. ..Pkt. 10c Crimson.. .. .. ..Pkt. 10c

Double-Flowered—Extra choice mixed. Oz 75c, pkt. 10c.

Double-Flowered—Fine mixed. Oz. 50c, pkt. 5c.

IMPORTED COLLECTIONS.

Camellia Flowered—Six distinct colors, 50c.

Single Begonias.

BEGONIAS.

Tuberous Rooted, New Hybrids.

These splendid varieties produce handsome plants from 12 to 18 inches high, covered the whole summer with bright and elegant colors of almost every shade of color; flowers of some varieties attain an extraordinary size, being frequently 6 inches in diameter. Plants do best when grown in a partially shaded situation. Seedlings raised in heat early in spring will flower the same summer.

BEGONIAS—Tuberous Rooted—Continued.

Single varieties, finest mixed, pkt. 10c.
Double varieties, finest mixed, pkt. 25c.

FIBROUS ROOTED BEGONIAS.

Semperflorens—A perpetual flowering section of great value for bedding. Seedlings of spring bloom in summer, while seedlings of summer make valuable decorative plants for the greenhouse during winter.

Vernon—Rich red flowers and glossy bronze red fol age. Height 6 inches. Pkt. 15c.

Gracilis Luminosa—The foliage of this magnificent new Begonia is a lustrous reddish brown color, while the flowers, measuring 1 to 1½ inches across are of a fiery dark scarlet. No better sort for bedding has yet been seen. Pkt. 25c

REX BEGONIA.

Ornamental Leaved Varieties—Finest mixed. Pkt. 25c.

BALLOON VINE.

Cardiospermum Halicacabum—A genus of rapid growing climbers, remarkable for an inflated balloon-shaped seed capsule, which it bears in clusters; height 6 to 8 feet. Annual. Pkt. 5c.

BARTONIA AUREA.

Very showy; golden yellow; height, 1½ feet. Annual. Pkt. 5c.

BROWALLIA.

Speciosa Major—The plants of this new variety grow only about a foot high, forming dense little bushes, which are covered with an abundance of the most intense violet blue flowers, much larger than those of the older sorts. For beds, borders or pots there is hardly another plant with blue flowers that compares with it. Annual. Pkt. 10c.

BRACHYCOME.

Swan River Daisy—Dwarf, free flowering plants, covered all summer with a profusion of Cineraria-like flowers; very attractive in edgings, rustic baskets, or for pot culture. Half-hardy annual.

Iberidifolia—Fine mixed; ½ foot. Pkt. 5c.

CALENDULA.

Pot or Garden Marigold—Remarkably profuse blooming plants; their easy culture and continuous bloom make them valuable for beds and borders. Hardy annual.

Meteor — Double yellow flowers, striped with orange. Pkt. 5c.

Fine Mixed—Many colors. Pkt. 5c.

Calendula.

CANARY BIRD FLOWER.

Tropaeolum—Bright fringed, yellow creeper; very ornamental; a general favorite; 10 feet. Half-hardy annual. Oz. 30c, pkt. 5c.

CALLIOPSIS OR COREOPSIS.

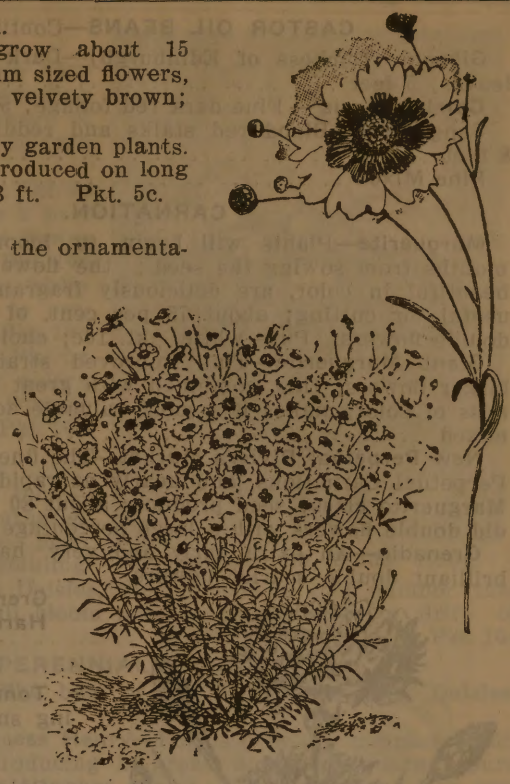
This genus is one of the most striking of all annuals, the varieties being very effective in mixed borders, while the dwarf, from their compact habit are well adapted for beds, the colors all being strikingly beautiful. Hardy annual.

Drummondi—Orange yellow. Pkt. 5c.
Nigra Speciosa—Rich crimson; 1 foot. Pkt. 5c.
Fine Mixed—All colors. Oz. 30c, pkt. 5c.
Double—Flowers semi-double. Pkt. 5c.

CALLIOPSIS OR COREOPSIS—Continued.

Hybrida Superba—The plants of these new hybrids grow about 15 inches high and are covered the entire season with medium sized flowers, varying in color from pale yellow to orange-red and dark velvety brown; very distinct and pretty. Pkt. 10c.

Coreopsis Lanceolata Grandiflora—One of the best hardy garden plants. The flowers are large, of a bright golden yellow, freely produced on long stems from June till frost; excellent for cutting; height 3 ft. Pkt. 5c.



Calliopsis.

CALCEOLARIA.

Plants of highly decorative character, indispensable for the ornamentation of the greenhouse and garden. C. Hybrida is grown for outdoor decorations, while C. Rugosa, a shrubby variety, is sometimes grown for indoor and sometimes for outdoor decorations. Half-hardy perennial.

James' International Prize—Unequalled for size and brilliancy of color; 2 feet. Pkt. 25c.

Rugosa—Mixed; valuable for bedding; 1 ft. Pkt. 25c.

CANNA.

This genus, from its stately growth, combined with its rich and varied flowers and picturesque foliage, is one of the most strikingly effective of our ornamental plants. Seed should be steeped for a few hours in hot water before sowing. The roots may be taken up and preserved like Dahlias. Half-hardy perennial.

Crozy's New Dwarf Hybrids—Splendid large flowering, with broad leaves, finest mixed. Pkt. 5c.

Dark Leaved Varieties—Finest mixed. Pkt. 5c.

CAMPANULA.

Canterbury Bell—Well known favorite, bearing large bell and saucer-shaped flowers; well adapted for borders and pot culture. Half-hardy biennial. Single mixed, pkt. 5c. Double mixed, pkt. 5c.

Canterbury Bell.

Cup and Saucer (Calycanthema)—Pink, pkt. 5c; fine mixed, pkt. 5c.

Superb Mixed—This special mixture includes single, double and Calycanthema varieties, in all colors. Pkt. 10c.

Pyramidalis—A grand sort, known as the Chimney Bell Flower. Hardy perennial. Finest mixed blue and white; 4 feet. Pkt. 5c.

Grandiflora—Chinese Bell Flower—Hardy perennial, with large, broad, well-shaped white or blue flowers; very handsome; 2 feet. Mixed blue and white. Pkt. 5c.

Persicifolia—A remarkably handsome hardy perennial, with large cup-shaped flowers, prized alike for borders and as a pot plant for the greenhouse; 2 feet; blue and pure white, mixed. Pkt. 10c.

Double White, Moerheimi—**New**—A magnificent double white variety. Pkt. 20c.

Fragilis—A valuable trailer, suitable for hanging baskets and rockeries; light blue; hardy perennial. Pkt. 10c.

CANDYTUFT

One of the most useful of border annuals; very effective in beds, groups, etc. Also very useful for pot culture for conservatory decorations during the winter. Hardy annual.

White Fragrant, Crimson, Carmine, Purple, each pkt. 5c.

Finest Mixed—All-colors. Pkt 5c, oz 20c.

Empress Improved or Giant Hyacinth Flowered—A new variety of great beauty and most desirable for cut flower purposes. It is of very branching habit, and when full grown and covered with its large trusses of pure white flowers presents a perfect pyramid of bloom throughout the summer. Pkt. 5c.

Giant Empress Candytuft.

Queen of Italy—New dwarf, erect growing variety, plant fairly covered with beautiful pink flowers. Pkt. 5c.

CASTOR OIL BEANS.

Ricinus—The picturesque foliage and stately growth, combined with the size of the giant varieties, impart to select plantations, shrubbery, and mixed flower borders quite an oriental aspect. Half-hardy annual.

Castor Oil Bean.

Zanzibariensis—A new Castor Oil Plant, far exceeding in size the much admired older kinds. The foliage is of the usual palmate character, produced in great luxuriance and of gigantic proportions, measuring 2 to 2½ feet in diameter; coloring varies from light green to dark coppery bronze and brownish purple. Oz. 20c, pkt. 5c.

CASTOR OIL BEANS—Continued.

Gibsoni (Duchess of Edinburgh)—Dark purple, stem and leaves; 5 feet . . . . . oz. 20c, pkt. 5c
Cambodgensis—Fine dark red foliage; 5 ft. oz. 20c, pkt. 5c
Sanguineus—Blood red stalks and reddish purple leaves; 8 feet . . . . . oz. 20c, pkt. 5c
Fine Mixed . . . . . oz. 15c, pkt. 5c

CARNATION.

Marguerite—Plants will begin to bloom in about four months from sowing the seed; the flowers are varied and beautiful in color, are deliciously fragrant and exceedingly useful for cutting; about 75 per cent. of seedlings produce double flowers. Pure white, pkt. 10c; choice mixed, pkt. 10c.
Giant Marguerite—This improved strain produces much larger flowers; this, combined with great diversity and richness of color, makes it a most valuable acquisition. Finest mixed . . . . . Pkt. 10c
New Perpetual Riviera Market—The finest of all strains of Perpetual Carnations, and nearly as rapid in growth as the Marguerite class; seed produces about 80 per cent. of splendid double flowers with a large percentage of yellow. Pkt 25c
Grenadin—An extra early and very hardy variety, with brilliant double scarlet flowers . . . . . Pkt. 15c

Marguerite Carnation.

Grenadin—Pure white; extra fine . . . . . Pkt. 20c
Hardy—Fine mixed; excellent for cutting . . . . . Pkt. 10c

Corn Flower.

CERASTIUM—Snow in Summer.

Tomentosum—A pretty dwarf, white-leaved edging plant, bearing small white flowers. Perennial . . . . . Pkt. 10c

CENTAUREA.

Splendid border plants; some, such as the Cornflowers, Sweet Sultans, etc., being prized for their handsome flowers; others for their ornamental and picturesque foliage.

White Leaved Varieties.

The silvery foliaged Centaureas are amongst the most beautiful and valuable bedding plants; should be started early in gentle heat. Half-hardy perennial.
Candidissima—Broad white foliage; 1 foot . . . . . Pkt. 10c
Gymnocarpa—Narrow silver foliage; 1 foot . . . . . Pkt. 5c

CENTAUREA IMPERIALIS, OR GIANT FLOWERED SWEET SULTANS.

These new hybrids are admirably adapted for cut flower use, being almost double the size of the well-known Marguerite. Flowers are borne on long, stout stems, and very lasting, and if cut when scarcely opened and placed in water will keep for 10 days; 2 feet.
Giant Mixed—All colors . . . . . Pkt. 10c
Yellow Sweet Sultan—Large, bright yellow flowers, useful for bouquets; 1½ feet . . . . . Pkt. 5c
Sweet Sultan—Mixed colors; 1½ feet . . . . . Pkt. 5c

CORNFLOWER—Centaurea Cyanus.

A very hardy annual for borders. Flowers most suitable for bouquets; 2 feet.
Emperor William—Deep blue, splendid . . . . . Pkt. 5c
Double Mixed—Handsome double flowers of various colors . . . . . Pkt. 5c
Single Mixed—All colors . . . . . oz. 30c, pkt. 5c

CLEMATIS.

Beautiful hardy climbers, fine for arbors and verandas. The seeds, which are slow to germinate, should be soaked in warm water before sowing; hardy perennials.
Paniculata—This is one of the best hardy climbers, the small, star-like white fragrant flowers being produced in dense masses . . . . . Pkt. 10c
Mixed—Large flowering hybrids . . . . . Pkt. 10c

CHELONE—BARBATA.

Hybrid. An excellent hardy perennial, producing long spikes of flowers, ranging in color from light pink to deep red and violet; 2½ feet . . . . . Pkt. 5c

CLARKIA.

Beautiful tribe of favorite plants, with pretty, cheerful looking flowers, growing freely and blooming profusely under almost any circumstances. Hardy annual.
Double Mixed—Many sorts; 2 feet . . . . . Pkt. 5c

Chinese Primrose—See Primula, page 66.

Single Annual Chrysanthemum.

CHRYSANTHEMUM.

The annual or summer flowering Chrysanthemums are very effective border plants. They are of easy culture, growing rapidly and flowering freely the whole summer; the flowers of various colors are bright and attractive, and being borne on long stems are generally prized for cutting.

Single annual varieties, many colors.. .. ..Pkt. 5c

Evening Star—New—Flowers golden yellow, and from 3 to 4 inches in diameter, it is of the easiest culture, and a cut flower of the first rank; height 18 inches .. ..Pkt. 10c

White Star—New—A charming new variety, with large white flowers with dark centre, similar in habit and growth to preceding; a fine cut flower .. ..Pkt. 10c

Double annual varieties, white and yellow .. ..Pkt. 5c

Double Hybrids—Flowers are large and double, the colors being beautiful and diversified, the petals exquisitely fringed and pencilled .. ..Pkt. 10c

Chrysanthemum, Bridal Robe.

CHRYSANTHEMUM INODORUM—Bridal Robe.

Of compact and upright habit, and not exceeding 10 inches in height. The sturdy plants throw out their fine feathered foliage and deck themselves with a mantle of extra double pure white flowers. With their short, closely-set petals resembling very large double Daisies, they appear in such number that a large bed in full bloom may be compared to a drift of snow. .. ..Pkt. 10c

Shasta Daisy.

PERENNIAL VARIETIES.

Shasta Daisy—The best of the large flowering Daisies. Pkt. 10c.

Maximum—Princess Henry—Forms a bushy compact plant, 18 inches high, producing in great abundance large pure white flowers 3 to 4 inches across. It flowers the first season from spring-sown seed; perfectly hardy .. .. ..Pkt. 10c

Marguerites, or Paris Daisies—Largely grown for cut flowers. They flower all summer in the garden and make elegant pot plants for winter bloom.

Frutescens—White .. ..Pkt. 10c

Japonicum (Japanese varieties)—These are the double sorts, which attract so much attention at the autumn shows, and are so popular for greenhouse decoration and cut flowers. Finest mixed .. ..Pkt. 25c

CINERARIA.

A well known greenhouse favorite; owing to the richness and diversity of its colors it is one of the most valuable of our early spring flowers; succeeds best in light, rich, free and open soil. Greenhouse perennial.

Bruce's Prize—The flowers possess extraordinary substance, and are of immense size under good cultivation. For exhibition purposes it is unsurpassed.. ..Pkt. 25c

James' Giant—Plants of this superb English strain are remarkable for their dwarf growth, the immense size of their blooms, and well defined brilliant and delicate colors. .. ..Pkt. 50c

Bruce's Prize Cineraria.

CINERARIA MARITIMA.

(Dusty Miller). White foliage, very ornamental. Half-hardy perennial.

Maritima Candidissima — An extra fine variety.. .. ..Pkt. 5c

Cockscomb.

COCKSCOMB.

Celosia—Highly ornamental curious looking flowers for the greenhouse and garden. The following sorts have been saved from combs remarkable for their size, symmetry and color. Half-hardy annual.

Glasgow Prize—An extra fine dwarf variety, with immense crimson combs .. ..Pkt. 20c

Dwarf Mixed—Splendid .. ..Pkt. 10c

Thompson's Magnifica Improved Feathered Cockscomb—Pyramidal in growth, attaining a height of little more than 2 feet. Each stem is crowned with magnificent feathery plumes of the richest colors, ranging from the clearest yellow to the darkest blood-red; splendid plants for either pot or outdoor planting.. .. ..Pkt. 5c

COSMOS.

Mammoth Perfection—This new selection will be found a decided improvement on the old variety, the flowers being so much larger, usually 4 to 5 inches across. It is a strong and vigorous grower, and produces its beautiful single Dahlia-like flowers with the greatest freedom. Seed should be sown early, and the plants, which grow 4 to 5 feet high, set out 2 to 3 feet apart. Half-hardy annual. Mammoth Mixed .. ..Pkt. 5c

New Striped—The charming pink flowers have large white centres and the petals are deeply striped with white.. .. ..Pkt. 10c

Lady Lenox — New—Flowers of extraordinary size and beauty, color being charming shade of light pink Pkt. 10c

New Early Flowering—This variety comes into bloom in July, and continues to flower until cut down by frost. The flowers are white, pink and crimson, all colors mixed. 4½ feet high .. ..Pkt. 10c

CONVOLVULUS—See Morning Glory, page 61.

Cosmos.

COLEUS.

Handsome foliage plants, remarkable for their great variety and brilliancy of colors; indispensable for bedding; easily grown from seed. Choice mixed; 2 ft. Pkt. 25c.

Cobaea Scandens.

CYPERUS ALTERNIFOLIUS.

Umbrella Plant—Handsome, half-hardy perennial; the long slender stems being surmounted by plumes of narrow green shining leaves; succeeds best in moist situations; valuable for aquariums; easily raised from seed. Pkt. 10c.

CYPRESS VINE.

Ipomea Quamoclit—A most beautiful climbing plant, with very delicate fern-like foliage. Half-hardy annual; 10 feet. **Scarlet** .. ..Pkt. 5c **Finest Mixed** .. .. ..Pkt. 5c

CORDYLINE (Dracaena).

Beautiful decorative foliage plants.

Indivisa Lineata—Very graceful, narrow foliage. Pkt. 10c

CORN FLOWER—See Centaurea, page 52.

COWSLIP.

An early spring blooming border plant. Treatment about the same as for Pansies. Perennial .. ..Pkt. 5c

CUCUMBER, ORNAMENTAL.

An interesting tribe of plants, remarkable for their luxuriance and rapidity of growth, which, if the soil is rich, is marvellous. Annual.

Wild Cucumber — (Echinocystis Lobata) — This is the quickest climber known. It will grow 30 feet in one season, has dense graceful foliage, which is quickly dotted with pretty white fragrant flowers. The seed should be soaked in water for at least 24 hours before planting. Once planted this vine seeds itself and comes up every year. Oz 20c, pkt. 5c.

COBAEA.

Scandens—A beautiful climber, with large, bell-shaped flowers and elegant leaves and tendrils. It is of very rapid growth and consequently eminently adapted during the summer for warm situations out of doors; in sowing place the seeds edgeways and cover slightly. Half-hardy annual.

Purple .. ..Pkt. 10c. **White**.. .. ..Pkt. 10c

CYCLAMEN.

A genus of the most beautiful and elegant winter and spring blooming plants for pot culture; if sown early in spring under glass and well grown, will make flowering bulbs in one year. The seed we offer is from the finest strains.

Giganteum—This section is remarkable for the immense size and magnificent colorings of the flowers.

Giant White—Pure white.. .. ..Pkt. 25c
Giant Crimson—Deep crimson.. .. ..Pkt. 25c
Giant Rose .. ..Pkt. 25c
Giant Salmon—A charming new color.. .. .. ..Pkt. 25c
Giant Mixed.. .. ..Pkt. 25c

Cyclamen Persicum (Persian violet)—Finest mixed.. .. ..Pkt. 15

Giant Flowered Cyclamen.

New Butterfly (Persicum papilio)—The flowers of this magnificent new strain are of the largest size. The edges of the broad petals are frilled, fringed and curled, and the colors range from purest white through delicate pink to rose and crimson. .. ..Pkt. 25c

Delphinium—See Larkspur, page 59. **Dracaena**—See Cordyline, page 54.

DAHLIA.

Double Dahlia.

The Dahlia is one of the most popular autumn flowering plants. Although perennials, these flower the same season from seed if sown in the house in February or March; the single sorts will bloom from seed sown in the open ground as late as June. The roots should be placed in dry sand and kept in cellar where there is no frost during winter.

Double Large Flowered—Choice Mixed .. .. ..

Carnation.

DIANTHUS PINKS—Continued.

HARDY PERENNIAL PINKS.

Double Pheasant's Eye—Double, large flowering, sweet scented hardy pink, flowers finely fringed, of various colors, finest mixed .. .. ..

Foxglove.

FOXGLOVE.

Digitalis—Handsome and ornamental plants of stately growth and varied colors; 3 feet. Hardy perennial.

Fine Mixed—Gloxinia shaped flowers; all colors .. .. .Pkt. 5c

Monstrosa (Mammoth Foxglove)—Long spikes, surmounted by one enormous flower; very odd; all colors mixed .. ..Pkt. 10c

GLOXINIA.

A superb genus of summer blooming plants of great beauty and diversity of color. Sow the seed under glass in early spring and place in a warm, moist and shaded situation; transplant seedlings as soon as fit. Gloxinias thrive best in a sandy peat or loam. When in flower keep partially shaded from the bright sunshine. The bulbs should be kept dry and from frost during winter. Greenhouse plant, splendid mixed varieties, all colors.. .. ..Pkt. 25c

GERANIUM.

These well known garden favorites are indispensable for indoor as well as outdoor decoration, and should be extensively cultivated. Half-hardy perennial.

Finest Mixed—Suitable for bedding .. ..Pkt. 10c

Double Zonale—Splendid mixed .. ..Pkt. 25c

Fancy Varieties—Pelargonium—Finest mixed. .. ..Pkt. 25c

GOURDS.

Ornamental Gourds—The tribe of Cucurbita, or Gourds, is well known as producing some of the most curiously shaped of all fruits, and are very desirable for covering the trellis work of arbors, etc. Half-hardy annual.

Egg Shaped—White nest egg .. ..Pkt. 5c

Dish Cloth—A very popular variety .. ..Pkt. 5c

Mock Orange .. ..Pkt. 5c

Mixed—Many sorts.. .. .. oz. 20c, pkt. 5c

Ornamental Gourd.

GODETIA.

Handsome summer flowering plants, of compact growth, bearing freely large flowers of exquisite colors and shades. Hardy annual.

Fine Mixed .. ..Pkt. 5c

GREVILLEA.

Robusta—(Silk Oak)—A very graceful fern-like foliage plant, for pots or tropical lawn effects; tender perennial; 3 to 5 feet. . ..Pkt. 10c

GAILLARDIA.

Splendid bedding plants, remarkable for the profusion, size and brilliancy of their flowers; very effective and showy. Half-hardy annual.

Single Mixed—Flowers yellow and scarlet; very showy, in finest mixture .. .. oz. 30c, pkt. 5c

Gaillardia Grandiflora.

Lorenziana—Double mixed, large heads of bright yellow and red flowers, very double, with quilled petals, fine for bouquets .. ..Pkt. 5c.

Grandiflora—Hardy perennial—The flowers are large, from 2½ to 3 inches in diameter, produced on long stems; they are excellent for cutting, and of the most gorgeous coloring .. ..Pkt. 5c

Gaillardia Grandiflora Semi-plena—This novelty produces semi-double flowers 4 inches across; colors light yellow, deep golden, and sometimes tinged with red. The velvety maroon disk forms a brilliant contrast. Hardy perennial. .. ..Pkt. 10c

GYPSOPHILA.

Paniculata—A handsome hardy perennial, with graceful, branched panicles of small white flowers, which are highly prized for bouquets. Height 2 ft ..Pkt. 5c

Elegans Alba Grandiflora—This is an improved, large flowering pure white form of the annual Baby's Breath, of free, easy growth, and grown by the acre in the suburbs of Paris and London for use with other cut flowers. Several sowings should be made during the season to keep up a supply. Annual. oz. 30c, pkt. 5c

HELIOTROPE.

A well known genus, of profuse flowering and deliciously fragrant plants. Half-hardy perennial.

Fine Mixed Varieties.. .. ..Pkt. 10c

HIBISCUS.

A very ornamental and showy plant, well adapted for mixed or shrubbery borders. Tender annual.

Africanus—Color cream, brown centre; 1½ feet..Pkt. 5c

HONESTY.

Lunaria Biennis—A handsome hardy biennial with purple or white flowers, followed by numerous silvery seed pods, much prized for winter decoration; 2 feet .. Pkt. 5c

HONEYSUCKLE.

Hedysarum—Very hardy plants, producing racemes of attractive pea-formed flowers, in two colors, scarlet and white. Perennial .. ..Pkt. 5c

HUNNEMANIA.

The so-called Bush Eschscholtzia. The plants grow into a shrubby bush, 2 feet high, and produce large cup-shaped flowers 3 inches across on long stems. The color is a clear, bright yellow, the petals are broad and crinkled like crushed satin, and as cut flowers remain in perfection for a long period .. ..Pkt. 5c

HUMULUS JAPONICUS.

Climbing Hop—A plant of very rapid growth, beautiful when planted isolated and properly supported, also valuable for trellises, etc. Annual .. .. oz. 50c, pkt. 5c

Heuchera.

Variegatis—The foliage of this variety is distinctly marked with silvery white, yellowish-white, light and dark green... .. ..Pkt. 5c

HEUCHERA.

Without doubt one of the finest perennials. The plants as will be seen from our illustration, are of fine compact habit, with elegant deep green foliage. The flowers are borne on elegant spikes, and can be used with fine effect in cut flower decorations. It is easily raised from seed, perfectly hardy, and should be in every garden; 18 inches.

Sanguinea—Rich, bright crimson .. ..Pkt. 10c

HOLLYHOCKS.

A splendid plant for autumn decorations, and from its stately growth and varied colors of the magnificent spikes of flowers, may justly demand a place in every large garden or pleasure grounds. Hardy perennial.

White. Cream. Yellow. Rose. Crimson. Violet.

Each of above, pkt. 10c.

Splendid Double Mixed .. ..Pkt. 10c
Fine Double Mixed .. ..Pkt. 5c
Chater's collection of 12 double varieties $1.00
Chater's Collection of 6 double varieties 60c

Allegheny—The flowers are of mammoth size, gracefully formed of loosely arranged fringed petals, which look as though made from the finest China silk. The colors range from the most delicate shell pink to dark red. Mixed colors .. ..Pkt. 10c

Annual Varieties.

Seed sown under glass early in spring produces plants that bloom the same summer. Plants are more vigorous at all stages than the usual type. The flowers are of good size, double, semi-double and single, and colors cover the whole range; mixed colors.. .. ..Pkt. 10c

IMPATIENS (ZANZIBAR BALSAM).

Sultani Hybrida—A charming pot plant, blooming profusely and almost continuously. The flowers range in color from pale rose to crimson. Height 2 ft. .Pkt. 25c

JACOBEA.

Senecio—Free flowering plants, producing their gay colored flowers in great profusion; very effective for beds. Hardy annual. Fine mixed, all colors..Pkt. 5c

Gypsophila Paniculata.

Double Hollyhock.

Ice Plant.

ICE PLANT.

A dwarf trailing plant, much used for garnishing. The leaves and stems are covered with crystaline globules, giving it the appearance of being coated with ice. Half-hardy annual .. Pkt. 5c

INCARVILLEA DELEVAYI.

The flowers, which resemble a Gloxinia in shape, are produced on stout stalks, about 2 feet high, and are of a rosy-carmine color, spotted with yellow; the throat is brown. It is of easy culture, and it will bloom during the first year if the seed be sown in a cold frame very early in the spring. Should be well protected with leaves during the winter, or the roots lifted and stored in dry sand in a cellar .. ..Pkt. 15c

KENILWORTH IVY.

Linaria Cymbalaria—Splendid plant for hanging baskets, rustic work, etc. Hardy perennial. Pkt 10c

LOPHOSPERMUM SCANDENS.

A very beautiful and ornamental climber, with handsome showy Foxglove-like flowers; very effective for conservatory or garden decorations; rosy-purple flowers; 10 feet. Half-hardy perennial .. ..Pkt. 10c

LARKSPUR—DELPHINIUM. Annual Varieties.

Very ornamental plant possessing almost every requisite for the adornment of the garden. Profuse bloomers and great variety of brilliant colors.

Dwarf Rocket—Hyacinth flowered finest mixed, 1 foot .. .. oz. 25c, pkt. 5c

Giant—Hyacinth flowered, finest mixed, 2 feet .. .. oz. 25c, pkt. 5c

Tall Branching—Stock flowered, finest mixed; 1 foot .. .. oz. 25c, pkt. 5c

Emperor—Very double, extra fine, oz 25c, pkt 5c

Perennial Varieties.

Perpetual Larkspur—One of the best hardy herbaceous plants, flowering in great profusion throughout the summer; flowers in large spikes of endless shades of colors, from pearl white to the richest and deepest blue.

Perennial Larkspur.

Belladonna — New ever blooming hardy Larkspur. See description page 43.

Formosum — Deep Gentian blue, with white eye, very attractive; 3 feet. Pkt. 10c.

Formosum Coelestinum — (Pillar of Beauty) — Large light blue flowers, fine contrast to preceding. Pkt. 10c.

Nudicaule—Scarlet, dwarf habit; 1 ft...Pkt. 10c

Zalil—Sulphur yellow plant of branching habit, really handsome; it requires a shady situation; 3 feet.. .. ..Pkt. 10c

Finest single mixed hybrids.. .. .. ..Pkt. 5c

Finest double mixed hybrids.. .. .. ..Pkt. 10c

Lantana.

LANTANA.

A very desirable class of plants for indoor pot culture and summer bedding, constantly in bloom; verbena-like heads of orange white and rose. Half-hardy perennial. The seeds should be sown in hot-bed, or in boxes of light soil in warm, sunny window in March or April. Finest mixed .. Pkt. 5c

LAVATERA—Tree Mallow.

A very beautiful showy annual, about 2 feet high, covered during the entire summer with large cup-shaped flowers. Sow in May where they the to flower, and thin out to 12 inches apart.

Trimestris—Mixed pink and white .. ..Pkt. 5c

LINUM.

Flowering Flax—One of the brightest colored of summer annuals; flowers glowing crimson rose; 1 foot .. ..Pkt. 5c

Perenne—A bright blue, hardy perennial variety; 1 foot.. .. ..Pkt. 5c

KOCHIA, OR SUMMER CYPRESS.

The plants grow freely from seed sown in the open ground, and from the earliest stage of growth in the spring until they reach maturity the plants are always of globe-like form. Early in the fall the ends of the shoots are thickly set with small bright scarlet flowers—the bushy plants resembling balls of fire. The plants are equally showy, planted singly to show the round ball-like form on all sides, or grown in continuous rows or hedges. Annual .. .. ..oz. 25c, pkt. 5c

Double French Marigold.

LOBELIA.

A very valuable and beautiful class of mostly dwarf growing plants, their delicate drooping habit and the profusion of their charming little blue and white flowers render them exceedingly ornamental for rustic or hanging baskets, while for border cultivation they are equally effective. Half-hardy annual.

Compacta Crystal Palace—Dark blue, excellent for edging .. .. ..

Japanese Morning Glory.

MIGNONETTE—Continued.

Myles Hybrid Spiral — Habit dwarf and branching, flowers large. The odor of this variety is superior to any other.. .. .. ..Pkt. 5c

Parson's White Flowering—The flowers are almost pure white, of the most exquisite fragrance .. ..Pkt. 5c

Defiance—Spikes of remarkable size and deliciously fragrant; the individual florets are very large, standing out boldly; its keeping qualities are extraordinary .. ..Pkt. 10c

New Bismarck—A grand addition to our Mignonettes, forming dense bushes covered with handsome thick flower heads of remarkable size, rich in color and deliciously scented; it is indispensible to the florist for cut flowers, and the best for pot culture .. ..Pkt. 10c

MORNING GLORIES

Old and well known favorites. The beauty and delicacy of their colors are unsurpassed; they all grow freely in almost any situation. Hardy annual.

Morning Glory—(Convolvulus Major)—This popular climber is too well known to need a description, 10 ft., all colors, mixed. Oz 15c, pkt 5c

Dwarf Morning Glory—(Convolvulus Minor) The flowers are of the same size and shape as the tall or climbing Morning Glory. The colors are most varied and pleasing; 1 foot .. ..

NASTURTIUMS

Nasturtiums are probably the most popular flowers grown from seed.

DWARF OR TOM THUMB VARIETIES

A charming class; unrivalled in beauty and effect; blooming from June until late in the fall; they require little care, and will flower profusely on the poorest soil. Hardy annual.

Aurora—Primrose, veined pink .. .. ..Pkt. 5c

Queen of Tom Thumbs, Mixed—New—The plants are similar to the original Queen of Tom Thumbs, all the leaves being marbled or variegated, in contrasting white and green, while the flowers vary in color from crimson, scarlet and deep orange to light primrose .. ..Pkt. 10c

Bronze—Very distinct bronze color .. ..Pkt. 5c

Chameleon—Variously colored flowers on the same plant .. ..Pkt. 5c

Empress of India—The flowers are of a brilliant crimson .. ..Pkt. 5c

Golden King—Golden yellow, dark foliage. Pkt 5c

King of Tom Thumbs—Foliage is a beautiful blue green, with intense scarlet flowers..Pkt. 5c

King Theodore—Blue green foliage, flowers dark maroon .. ..Pkt. 5c

Lady Bird—Rich golden yellow, barred with ruby crimson.. .. ..Pkt. 5c

Pearl—Cream white .. ..Pkt. 5c

Prince Henry—Light yellow, spotted and marbled with scarlet .. ..Pkt. 5c

Vesuvius—Salmon rose, dark leaved.. ..Pkt. 5c

Yellow—Ochre yellow .. ..Pkt. 5c

The above named varieties priced at 5c pkt. are offered at 25c oz. each.

Tom Thumb—Fine mixed, all colors, oz 15c, pkt 5

NEW LILIPUT NASTURTIUMS

The plants of this new variety are in every respect smaller than the Tom Thumb, and the dainty little flowers, which appear in the most various and showy colors, are produced in the greatest profusion.. .. ..oz. 25c, pkt 5c

Queen of Tom Thumbs Nasturtiums.

BRUCE'S PEERLESS COLLECTION OF DWARF NASTURTIUMS

Seven finest varieties mailed for 25 cents.

See Collections page 41.

TALL OR CLIMBING VARIETIES

Climbing Nasturtiums are admirably adapted for covering trellises, fences, tree trunks and the like. The flowers, cut, are very useful and handsome for house decoration. The seed, if picked young, is an excellent substitute for capers. Annual

Stark's New Hybrids (Queen of Talls)—The foliage is beautifully marked white, gold and green. The flowers are of many bright colors in charming contrast to the variegated foliage. Pkt 10c

Black Prince—Rich blackish purple .. ..Pkt. 5c

Crimson—Rich dark color .. ..Pkt. 5c

Tall Chameleon—This interesting variety bears large flowers of various colors and variegations on the same plant .. ..Pkt. 5c

Edward Otto—Brownish lilac .. ..Pkt. 5c

Fashion—Light crimson-rose .. ..Pkt. 5c

Firefly—Dark orange, spotted and flamed blood red, the spur is also blood red; foliage and stems dark .. ..Pkt. 5c

Lucifer—Bright glowing scarlet, extra..Pkt. 5c

King Theodore—Black brown.. .. ..Pkt. 5c

Marguerite—Flowers large, pale yellow, spotted and flamed blood red, spur blood red; foliage and stems dark; very effective.. .. ..Pkt. 5c

Moonlight—This is a counterpart of Sunlight, except in color, which is an exquisite pale straw .. ..Pkt. 5c

Oriental—Orange, brightly marked with pink and scarlet; very handsome.. .. ..Pkt. 5c

Primrose—Creamy white, with brown spots, large flowered. A charming variety .. ..Pkt. 5c

Scarlet—Very attractive .. ..Pkt. 5c

Rudolph Virchow—Fine carmine-rose ..Pkt. 5c

Spitfire—Bright scarlet.. .. ..Pkt. 5c

Sunlight (Jupiter)—Rich golden yellow..Pkt. 5c

Vesuvius—Dark leaved; flowers salmon rose, a charming color .. ..Pkt. 5c

Von Moltke—Ruby rose.. .. ..Pkt. 5c

Yellow.. .. ..Pkt. 5c

Any of above priced at 5c pkt. for 20c per oz.

Fine Mixed—All colors ¼ lb. 30c, oz. 10c, pkt 5c

TALL NASTURTIUMS—Continued.

Madame Gunter—Hybrids—This selection is distinguished by its dark foliage and richness of color. There are shades of rose, salmon, bright red, pale yellow, etc., either self-color, spotted or striped. Its free and continued flowering makes it a useful and popular climber. All colors, mixed .. .. oz. 20c, pkt. 5c

Tall Ivy Leaved—The leaves are of a dark metallic hue, resembling the ivy, and are in striking contrast with the crimson scarlet flowers .. ..Pkt. 10c

Lobbianum—The leaves and flowers are somewhat smaller than the ordinary Tall Nasturtiums; the flowers, however, are produced in great profusion and intense brilliancy of colors. Mixed colors .. .. oz. 20c, pkt. 5c

BRUCE'S PEERLESS COLLECTION OF TALL or CLIMBING NASTURTIUMS

Seven superb varieties mailed for 25 cents.

See Collections page 41.

NOLANA.

Very pretty trailing plants, with convolvulus-like flowers; excellent for rustic work or hanging baskets. Hardy annual.

Fine Mixed .. ..Pkt. 5c

NIGELLA.

(Love in a Mist). A very interesting class of plants, with curious looking flowers and seed pods. Hardy annual.

Double Mixed—Flowers blue and white; ½ foot .. ..Pkt. 5c

Miss Jekyll—See page 44.

NEMOPHILA.

Dwarf growing hardy annuals; all varieties have a neat, compact and uniform growth, comprising varied and beautiful colors.

Insignis—Deep blue; ¾ foot .. ..Pkt. 5c

Choice Mixed—Many sorts .. ..Pkt. 5c

OENOTHERA.

Evening Primrose—A free flowering and useful class of plants for beds and borders.

Acaulis—Handsome, large, white flowered varieties. Hardy annual; ¾ foot .. ..Pkt. 5c

Macrocarpa—Very large golden yellow flowers. Hardy perennial.. .. ..Pkt. 5c

OXALIS.

Beautiful small plants, suitable for the greenhouse, rock work, baskets, or out-door culture, flowering the first year if sown early; blooms in clusters; 9 inches. Half-hardy perennial.

Tropaeoloides—Yellow; very pretty.. ..Pkt. 10c

Rosea—Mixed rose and white.. .. ..Pkt. 10c

PASSION FLOWER.

Elegant climber for either out-door or greenhouse cultivation, bearing a profusion of exquisitely beautiful flowers. Perennials. Height 10 to 20 feet.

Coerulea—Sky blue.. .. ..Pkt. 10c

PERILLA.

Nankinensis—Ornamental foliage plant of compact habit; leaves dark mulberry, a most useful bedding plant; 1½ feet. Annual .. ..Pkt. 5c

PENTSTEMONS.

The Pentstemons are amongst the best perennials. The flowers are large and beautifully marked, tubular in shape, and produced in handsome spikes.

Choice Mixed .. ..Pkt. 10c

Bruce's Premium Pansy.

PANSY

(Heartsease). This lovely flower, a favorite with everyone, is too well known to need any description. Seed sown in August or September and kept in cold frames through the winter and planted out in the spring will blossom abundantly the whole season; for summer and fall blooming sow from January to June. The Pansy delights in loamy soil, enriched with thoroughly decayed cow manure. The seed we offer has been saved from celebrated collections in Europe, and will not fail to give perfect satisfaction. Hardy perennial.

Bruce's Premium—In our Premium Pansy we offer a strain that ranks second to none for the size of bloom, matchless form and substance; the flowers are beautifully blotched and pencilled with rich and striking colors .. ..Pkt. 25c

Orchid Flowered—The flowers of this new race are of peculiar shape, the upper petals, which stand upright, are laid out in small folds or frills, which, with the unique color combinations, give the flowers their resemblance to orchids. The colors range through shades of terra cotta, flesh, orange, rose, pink and lilac.. .. ..Pkt. 25c

Bugnot's—The flowers of this variety are of immense size, symmetrical in shape, petals thick and beautifully marked. Every lover of Pansies should give it a trial .. ..Pkt. 25c

PANSY—Continued.

Masterpiece—In this new type of Pansies the great advance consists in the very robust and compact habit of growth and in the immense size of the flowers, which have the remarkable feature of mostly having the margins of their petals undulated and curled. The flowers of this strain show many new shades of color, while each petal is distinctly marked with a large dark blotch..Pkt. 25c

Bride's Maid—The flowers of this variety are very large and of fine form. The ground color is rosy white, rivalling in delicacy and beauty with the finest apple blossom and most strikingly setting off the dark blotches of the centre..Pkt. 25c

Ruby—Embraces the richest shades of red colors, from scarlet, scarlet-orange, wine red to rose; the flowers are of large size and fine form .. ..Pkt. 25c

Giant Madame Perret—A beautiful new strain of rose and crimson shades; called the Wine Pansy.. .. ..Pkt. 15c

Paris Market—The flowers of this celebrated French strain are of a large size and produce a great diversity of the handsomest and rarest colors; a favorite with those who grow for the market .. ..Pkt. 15c

GIANT TRIMARDEAU PANSIES.

Of strong and robust growth, producing flowers of immense size and beautifully marked.

White—With dark eye .. ..Pkt. 10c
Silver Edged—Dark purple, white edge..Pkt. 10c
Fire King—Rich scarlet, gold edge .. ..Pkt. 10c
Yellow—With dark eye.. .. ..Pkt. 10c
Lord Beaconsfield—Purple-violet .. .. ..Pkt. 10c
King of the Blacks—Intense black.. .. ..Pkt. 10c
Finest Mixed .. ..Pkt. 10c

BEDDING PANSIES.

Snow Queen—White .. ..Pkt. 10c
Golden Gem—Gold-yellow .. ..Pkt. 10c
Dark Blue—Emperor William .. ..Pkt. 10c
Peacock Blue—White Margin .. ..Pkt. 10c
Cardinal—Brilliant red .. ..Pkt. 10c

MIXED PANSIES.

Very Fine Mixed—All colors.. ..oz. $1.50, pkt. 10c
Fine Mixed—All colors.. .. ..oz. $1.00, pkt. 5c

COLLECTIONS—IMPORTED GERMAN.

Twelve choice varieties 75c
Six choice varieties 50c
Six choice varieties—giant flowered $1.00

TUFTED PANSIES OR BEDDING VIOLAS.

The plants are hardy and of vigorous compact growth. They are excellent for bedding purposes. In light rich soil and a moist situation they will continue in bloom from spring till late in the fall. The colors are charming, white, lemon, orange, lavender, purple, etc. The flowers are borne on long stems, many of them being quite fragrant .. ..Pkt. 10c

PETUNIA

A very profuse flowering, easily cultivated garden favorite, for outdoor cultivation. In summer there is scarcely a class of plants equal to this; it commences to bloom early, and continues a mass of bloom the whole season. It is also very effective in pots for greenhouse or parlor decoration. Half-hardy annual.

PETUNIA—Continued.

Single Mixed Petunia.

Single Varieties.

Fine Mixed—Self colors; in great variety .. ..oz. 75c, pkt. 5c
Striped and Blotched Unsurpassed mixture of splendid colors .. ..oz. $1.50, pkt. 10c
Inimitable New Dwarf—Very bushy; 5 to 6 inches high, with regular striped flowers; they bloom uninterruptedly for months, and are exceedingly effective .. ..Pkt. 10c
Snowball—A charming dwarf growing variety, with large white scented flowers .. .. ..Pkt. 10c
Rosy Morn—One of the most effective and valuable of the small-flowering class. The plants grow thick and spreading like a bush and remain fairly dwarf. The pretty flowers, thickly covering the full grown plant, are brilliant rose color, with large white throat and white centre. Pkt. 10c
Giants of California—A California strain of incomparable beauty. The flowers are of enormous size (4 to 5 inches across), and are produced in a wonderful variety of colors, markings, etc., including many charming and delicate shades..Pkt. 25c

Petunia, Giants of California.

PETUNIA, Single Varieties—Continued.

Intus Aurea—Large flowered, yellow throated; remarkably fine and distinct; a magnificent variety, all colors mixed .. ..Pkt. 25c

Grandiflora—The flowers are of large size, with larger and more spreading throat than those of the common varieties, and come in many new and bright shades of coloring .. ..Pkt. 20c

Grandiflora Fimbriata—Single fringed varieties, flowers of very large size, of innumerable shades, colors and markings, all beautifully fringed. Pkt 20c

Double Petunias.

Double Petunia—Splendid mixed. In this mixture will be found the best strain of large flowering, striped, blotched and fringed double Petunias, especially remarkable for the rich color and large size of the flowers, of which about 30 per cent. will be double .. ..Pkt. 25c

Double Petunia.

PHLOX DRUMMONDII

This genus is unrivalled for richness and brilliancy of color, profusion and duration of bloom, which renders them of valuable service in the general flower garden; in fact, a finer sight than a bed of Phlox Drummondii is rarely to be seen. Hardy annual. Height 1½ feet.

Fine Mixed—All colors.. .. .. ..oz. 75c, pkt. 5c

Large Flowering Phlox.

Splendens—Crimson .. ..Pkt. 10c
White .. ..Pkt. 10c
Coccinea—Scarlet.. .. ..Pkt. 10c
Rose—White Eye.. .. ..Pkt. 10c
Yellow—Garnet Eye .. ..Pkt. 10c
Finest Mixed—All colors .. .. ..oz. $1.00, pkt. 10c

Star and Fringed Phlox, Mixed — A distinct and pretty strain of Annual Phlox, with star-shaped and fringed flowers in many beautiful shades .. ..Pkt. 10c

Dwarf Phlox.

Nana Compacta—Grows about 6 inches high. Fine mixed .. ..Pkt. 10c

Large Flowered Cecily Phlox—New—The plants grow about 6 inches high, and have a close, compact and robust growth. The flowers are of large size and fine form, white and dark centered, striped and self colors.. .. .. ..Pkt. 10c

Phlox Drummondii.

Double Phlox.

A very desirable class. Flowers are double and semi-double; the colors, crimson, scarlet, yellow and pure white, last much longer when cut than the Single Phlox. All colors, mixed .. ..Pkt. 10c

Hardy Perennial Phlox.

Decussata — This charming hardy Phlox should have a place in every garden. Fine mixed, all colors .. ..Pkt. 10c

PINKS—See page 55.

POPPY

A tribe of showy, free flowering plants, with large and brilliant colored flowers; well adapted for large mixed borders and shrubberies.

Single Varieties.

Shirley—A beautiful strain, with single flowers of many colors; for bedding they cannot be excelled .. ..oz. 30c, pkt. 5c

The Bride—A magnificent giant white fringed variety; the petals are large and daintily incurved.. .. ..Pkt. 5c

Scarlet Field Poppy—The single Poppy, so much admired by tourists in Europe, where it abounds on the railroad banks and in the fields. Eighteen inches.. .. ..Pkt. 5c

Shirley Poppies.

POPPY—Continued.

Tulip—The plant is from 12 to 14 inches high, and produces flowers of the most vivid scarlet imaginable. The two outer petals of the flower bear a similarity to a saucer, in which are set two erect petals of the same color.. .. .. ..Pkt. 10c

New Single Poppy, The Admiral—This charming variety is characterized by large round smooth-edged flowers of purest white, with a broad band of brilliant scarlet around the top; an extremely telling contrast .. ..Pkt. 10c

New Single Poppy, King Edward. See page 44.

Double Varieties.

Carnation Flowered—A magnificent class, with large globular flowers, the feathery petals being beautifully fringed; height 2 feet. Mixed colors .. .. oz. 20c, pkt. 5c

Paeony Flowered—The flowers of this variety are of immense size, very double and broad petalled. Mixed colors .. .. oz. 20c, pkt. 5c

French Ranunculus Flowered—Handsome and free blooming; the flowers are very double and of every imaginable shade of color; height 2 feet .. .. oz. 20c, pkt. 5c

Cardinal—The flowers are very large and perfectly double; height 1½ feet; scarlet, very fine .. ..Pkt. 5c

White Swan—Pure white; beautiful.. ..Pkt. 5c

Double Mixed Garden Poppies—This choice mixture includes all the above, affording the greatest variety at low price.. ..oz. 25c, ½ oz. 15c, pkt. 5c

Hardy or Perennial Poppies.

Oriental—Large brilliant dark scarlet flowers, with glittering black blotch at base of each petal; extra fine .. ..Pkt. 10c

Oriental—Colossal—The plant of this new variety is of strong growth, bearing its enormous glowing scarlet upright flowers on stems over 4 feet high.. .. ..Pkt. 20c

Giant Oriental Hybrids—Large showy flowers, ranging in color from soft rose to crimson scarlet .. ..Pkt. 10c

Iceland—A beautiful class of dwarf perennial Poppies, which, if sown early, will bloom the same year. They are bright and showy, forming tufts of brilliant blossoms, borne on slender stalks a foot high.. .. ..Pkt. 10c

Double Portulaca.

PORTULACA

For brilliant, beautiful and gorgeous colors this charming genus stands unrivalled, and whether in baskets, small beds, edgings or rock work, its large splendid flowers, produced in the greatest profusion, are extremely effective; succeeds in light, gravelly soils and a warm situation. Hardy annual.

Single—Mixed colors; ½ foot ..oz. 60c, pkt. 5c
Double—Mixed, extra fine; ½ foot .. ..Pkt. 10c
RICINUS—See Castor Oil Beans, page 51.

Primula, or Chinese Primrose.

PRIMULA OR CHINESE PRIMROSE

One of the finest winter and spring blooming plants, of easy culture, blooming at a season of the year when flowers are generally scarce; they are indispensable for conservatory and house decoration. The seed we offer has been selected with great care from some of the finest strains, and we can with confidence recommend it. Greenhouse perennial.

Alba Magnifica — Superb large flower, with bright yellow eye; beautifully fringed and borne in large trusses well above the foliage; finest white Primula grown .. ..Pkt. 25c

PRIMULA or CHINESE PRIMROSE—Continued.

Mont Blanc—Snow white flowers of good size and substance and exquisitely fringed. ..Pkt. 25c

Purity—A strong growing variety, with distinct red stems; flowers are large, pure white, with sulphur eye.. .. ..Pkt. 25c

Violet Queen—An exquisite shade of violet, bordered with pure white .. ..Pkt. 25c

Rose—Bright rose; a superb variety. ..Pkt. 25c

Rubra—Rich red flowers, elegantly fringed.. .. ..Pkt. 25c

Royal Blue—The finest of blues.. .. .. ..Pkt. 25c

Bruce's Superb Mixed—This embraces all the finest shades of color .. ..Pkt. 25c

Fern-Leaved Mixed—Fern-like foliage, finely fringed flowers.. .. ..Pkt. 25c

New Giant Flowered.

A magnificent class of Primula of immense size; the flowers, which include many shades of color, are borne well above the foliage, are beautifully fringed and of great substance. Finest mixed.. .. ..Pkt. 25c

DOUBLE CHINESE PRIMROSE.

Embracing beautiful shades of magenta, scarlet, rose and white. The large double and semi-double flowers are invaluable for cutting during the winter months, when other flowers are generally scarce .. ..Pkt. 25c

VARIOUS PRIMULAS.

The following varieties are of the easiest culture, flowering abundantly and continuously with little care. Seed sown under glass in February will produce flowering plants by the middle of May. Charming pot plants.

PRIMULA OBCONICA GIGANTEA—This new variety is the finest yet produced. See novelties, page 43 .. ..Pkt. 25c

PRIMULA OBCONICA GRANDIFLORA—A profuse bloomer, bearing on long stems heads containing 10 to 15 flowers. Pure white to rosy lilac .. ..Pkt. 20c

PRIMULA OBCONICA GRANDIFLORA FIMBRIATA—The flowers of this variety are exquisitely fringed, which makes them appear more graceful and adds to the general attractiveness of this popular Primula.. .. ..Pkt. 25c

DOUBLE PRIMULA OBCONICA—The flowers of this new double variety are produced in large trusses borne on stout stems and rising well above the foliage; the individual flowers are of good size, and a very delicate shade of light rosy lilac .. ..Pkt. 25c

PRIMULA FORBESI—Like Obconica, this species begins to flower in babyhood and continues a mass of bloom all the year round. Each flower stem bears 3 to 6 whorls of pale rosy lilac flowers, smaller than those of Obconica, but more charming and graceful .. ..Pkt. 25c

PRIMULA KEWENSIS—See Novelties, page 43.

HARDY PRIMROSES.

New Giant Hardy Garden Primrose (Primula Veris Grandiflora)—This new giant primrose is a vast improvement in every way on the old type, Polyanthus. The flowers are very large, measuring from 1½ to 2 inches in diameter, are borne on long stems 10 to 12 inches in length; the leaves are larger than those of that type and the colors are richer and more varied .. ..Pkt. 25c

Mixed Hybrids—Flowers of these new hybrids are produced in all shades of color, varying from white to crimson .. ..Pkt. 10c

Yellow—The old fashioned favorite .. ..Pkt. 5c

PRIMROSE—Continued.

PRIMROSE—POLYANTHUS.

Splendid free-flowering plants, either for pot culture or open border. Hardy perennial. Height ½ foot.

Gold Laced—Very showy and attractive. Pkt 10c

Fine Mixed—Border varieties.. .. ..Pkt. 10c

PRIMROSE—JAPONICA.

This beautiful Primrose, growing about 1¼ feet in height, produces from its tuft of robust leaves a stem bearing four or five separate tiers of whorls of charming flowers, each flower being an inch in diameter and of splendid magenta color. Half hardy perennial.. .. ..Pkt. 10c

PYRETHRUM

Handsome hardy perennials, very desirable for borders, the elegant flowers being much prized for cutting, in bloom June; height 2 feet.

Flowering Varieties.

Double mixed—Beautiful Aster-like flowers, ranging in color from white to rose and purplish crimson.. .. ..Pkt. 10c

Single mixed—Large Daisy-like flowers of many beautiful colors; excellent for cutting.. ..Pkt. 5c

Yellow Leaved Sorts.

Well known dwarf growing plants, extensively used for bedding purposes.

Selaginoides—Beautiful variety with golden moss-like foliage .. ..Pkt. 10c

Golden Feather (Aureum)—Very popular. Pkt 5c

Feverfew—See Matricaria, page 60.

Pinks—See Dianthus, page 55.

ROSA MULTIFLORA NANA.

Liliput Rose—This new dwarf Polyanthus Rose flowers the first season from seed. The flowers are single, semi-double and double, are of perfect form, and are produced in every color exhibited by other roses. The plants grow only about 15 inches high, forming very neat compact bushes. Pkt. 10c

ROCKET.

Very pleasing early spring flowers, deliciously fragrant. Hardy perennial.

Purple and White—1½ feet .. ..Pkt. 5c

SAPONARIA.

Of these beautiful little plants it is impossible to speak too highly. They carpet the ground with their beautiful star-shaped flowers during the summer and autumn months; for edging they are unequalled, bearing cutting back, if necessary. Hardy annual.

Salpiglossis.

Calabrica — Rich deep pink, 1½ feet. Oz. 30c, pkt. 5c.

SALPIGLOSSIS.

Highly ornamental and remarkably beautiful summer blooming plants. Their curiously pencilled and marbled funnel-shaped flowers produce a fine effect in beds, borders, edging, etc. Hardy annual.

Superbissima or Emperor—A grand new strain, remarkable for its very large flowers, which are of brilliant, varied colors, all richly veined with gold .. ..Pkt. 10c

Finest Mixed—Large flowering sorts. Beautiful colors; 1½ feet .. .. oz. $1.00, pkt. 5c

SMILAX.

A well known greenhouse plant, largely used by florists for table and house decorations; flowers white .. ..Pkt. 5c

Salvia Splendens.

SALVIA

(Flowering Sage)—A favorite bedding plant, bearing long spikes of flowers in great profusion from July till frost; half-hardy perennials, blooming first year from seed, which should be sown as early as possible, either indoors or in a hot bed and the young plants transferred to their flowering quarters when the weather has become settled and warm.

Fireball—New—A magnificent early flowering dwarf variety. See description page 44..Pkt. 15c

Zurich—New—The earliest flowering sage. See description on page 44 .. ..Pkt. 15c

Splendens—Brilliant Scarlet flowers; a magnificent variety; 3 feet .. ..Pkt. 10c

Splendens Compacta, Bonfire—In habit more dwarf and compact than above; flowers intense scarlet; unsurpassed for bedding and pots; 2 feet .. ..

STEVIA.

Serrata—The tiny white flowers are produced in graceful sprays, valuable for cutting; perennial. Pkt. 10c.

Stocks.

SPECIAL EARLY LARGE FLOWERING GIANT NICE WINTER STOCKS.

The different varieties in this section are largely used as a pot plant by market growers. By sowing early in June they may be had in flower by Christmas. A striking feature of the Nice Stock is the rapidity with which it comes into flower, so that it may just as readily be grown as an Early Ten-week Stock.

Beauty of Nice—Strong spikes, with large flowers of a delicate fleshy pink.. .. ..Pkt. 10c

Almond Blossom—White shaded carmine, a charming variety.. .. ..Pkt. 15c

Queen Alexandra—Rosy-lilac, very fine. Pkt. 10c

Abundance—Carmine-rose, flowers produced in extraordinary profusion.. .. ..Pkt. 15c

Mont Blanc—Snow-white, beautiful.. .. .Pkt. 15c

VARIOUS STOCKS.

Snowflake Forcing—A dwarf variety with large double snow-white flowers. Fine for pot culture .. ..Pkt. 25c

East Lothian Intermediate—The best of all intermediate varieties; for winter or spring flowering. Their continuous blooming and great percentage of double flowers which they produce renders them the most valuable for pot culture. **White** or **Scarlet**—Mixed or separate colors.. .. ..

SUNFLOWER—Continued.

Chrysanthemum-Flowered Sunflower.

Double Varieties.

Chrysanthemum-Flowered—Grows 7 feet high and bears profusely all summer long. Flowers are perfectly double, and of the very brightest golden yellow. The plants remain in bloom a long time and bear flowers of so many sizes that any one can suit himself as to what size would make the prettiest bunch. The flowers are so perfect in form that they resemble very double Chrysanthemum-flowered Asters, with long stems. .. ..oz. 25c, pkt. 5c

Globosus Fistulosus—Handsome large flowered; 5 feet .. .. oz. 25c, pkt. 5c

Many Flowered Double—Handsome and ornamental; it grows erect, about 4 feet in height, with only a single stock and at each leaf joint is a very short stem, terminating in a fine double flower. The terminal flower is the largest, being from 6 to 8 inches in diameter..oz. 25c, pkt. 5c

Dwarf Double—Very attractive; 4 feet..oz. 25c, pkt. 5c

Tall Double—Large bright yellow flower; 5 feet .. .. oz. 20c, pkt. 5c

SWEET PEAS

These lovely and deliciously perfumed flowers are everywhere appreciated. They possess all the qualities which are prized in decorative flowers, gracefulness of form, brilliant and varied coloring, slender stems and sweet perfume. When cut for filling vases the blooms will last for days. The seed should be sown as early as the ground can be worked in the spring to enable the vines to get a good strong growth before the warm weather comes. Prepare the ground by thoroughly working in a large quantity of well-rotted manure. As fast as the flowers come into full bloom or fade they should be cut off, for if the pods are allowed to form the plants will stop blooming. Seed may be sown with great advantage late in the autumn.

SWEET PEAS—Continued.

A Carefully Revised List of the Best New and Standard Varieties.

PURE WHITE, PRIMROSE, AND VERY LIGHT SHADES.

Dorothy Eckford—Pure white; the plant is very short jointed and grows an enormous mass of bloom. Pkt. 5c, oz. 10c.

Emily Henderson—Pure white, extra fine. Pkt. 5c, oz. 10c.

Golden Rose—Primrose, lightly striped and mottled with light pink. Pkt. 5c, oz. 10c.

Honorable Mrs. E. Kenyon—Primrose, self-colored large, semi-hooded flower; this is the largest and best of this shade. Pkt. 5c, oz. 10c.

Nora Unwin—This charming variety takes its place in the front rank of pure whites. It has the same bold, wavy standard and broad wings of the Gladys Unwin type; a strong, vigorous grower and free bloomer. Pkt. 5c, oz. 20c.

Stella Morse—Deep cream with blush pink; hooded form. Pkt. 5c, oz. 10c.

Sybil Eckford—Medium sized flower. The standard is light apricot, the wings cream and lemon, quite distinct and charming. Pkt 5c, oz 15c.

White Wonder—The flowers are uniformly of large size, borne six to eight on long stout stems. About half the flowers have double standards. Pkt. 5c, oz. 15c.

PINK AND ROSE.

Agnes Eckford—Flowers a beautiful soft light pink, resembling the favorite Prima Donna in shade, but larger in size, while the coloring is even more delicate and pleasing. Pkt. 5c, oz. 15c.

Bolton's Pink—Standards self-pink, shaded delicate rose, wings pale pink; very large flower with erect standards of fine substance. Pkt. 5c, oz. 10c.

Gladys Unwin—The large flowers have a very striking upright or wavy standard and broad wings; color a pale rosy-pink. Pkt. 5c, oz. 15c.

Prima Donna—A lovely shade of soft pink, of large size and fine form; very frequently bears four flowers on a stem. Pkt. 5c, oz. 15c.

Queen of Spain—Soft rose-pink overlaying buff. Splendid large flowers of finest form, on long stems. Pkt. 5c, oz. 10c.

Rose du Barri—New—An entirely new shade, a lovely rich carmine rose and orange; slightly waved. Pkt. 5c, oz. 20c.

ORANGE AND PINK.

Gorgeous—Standard rich, orange-salmon, wings bright orange rose. Very showy. Pkt. 5c, oz. 10c.

Henry Eckford—An intense salmon-orange self, unique in color and absolutely distinct. Pkt. 5c, oz. 20c.

Miss Willmott—A grand flower of great substance, standard rich deep, orange-pink, wings rose with orange tint; semi-hooded form; flower stems long and stiff. Pkt. 5c, oz. 10c.

St. George—The most brilliant color in Sweet Peas, the standard is bright orange scarlet, very large and inclined to the wavy form. Wings bold and well opened, of a slightly deeper color. Pkt. 5c, oz. 20c.

RED, SCARLET AND CRIMSON.

Coccinea—Soft cherry-red self-colored flower, a distinct shade, very bright and attractive; flowers of good size, semi-hooded. Pkt. 5c, oz. 10c.

E. J. Castle—New—Bright crimson-rose, with veins of deeper rose; very striking. Pkt. 5c, oz. 15c.

King Edward VII—This is a lovely bright crimson self. A true, giant flowered variety, with strong stems and growth, with no inclination to burn in the sun. Pkt. 5c, oz. 15c.

RED, SCARLET AND CRIMSON—Continued.

Mrs. Dugdale—Standards crimson-rose, shaded rich primrose; wings primrose shaded and splashed light rose—a most charming color. Pkt. 5c, oz. 10c.

Prince of Wales—A bright rose self of intense color and bright bold form, bearing three and frequently four flowers well placed on long, stout stems. Pkt. 5c, oz. 15c.

Queen Alexandra—An intense scarlet self of grand texture and finest form. The plant is a vigorous grower and very free flowering, the flowers large and borne on long, stiff stems. Pkt. 5c, oz. 15c.

Salopian—A superbly beautiful variety. Color deep crimson, tinged with mulberry red, suffused with rich orange scarlet; flowers large, finely formed and handsome. Pkt. 5c, oz. 15c.

STRIPED, PICOTEE EDGED, AND MOTTLED.

Aurora—The flowers, which are gigantic in size, are borne three or four on a stem; the color effect is gorgeous. Both standards and wings are flaked and striped on a white ground with bright orange-salmon. Pkt. 5c, oz. 10c.

Dainty—Flowers of the largest size, upon first opening appear to be white, but quickly change to white with pink edge, making a most charming contrast. Pkt. 5c, oz. 10c.

Jessie Cuthbertson—A fine erect standard, pale buff ground, striped with rosy magenta, three and often four flowers on a stem. Pkt. 5c, oz. 10c.

Helen Pierce—A very pretty and distinct variety. Flowers a bright blue, mottled and marbled on a white ground, after the style of a Gloxinia in colorings and markings; very striking and unique. Pkt. 5c, oz. 15c.

Lottie Eckford—Flowers large standard white, shaded mauve; wings white, blue edged; very handsome. Pkt. 5c, oz. 10c.

Phenomenal—White, tinged rosy-lavender, deepening towards the edges; standards produced in pairs are full and wavy. Pkt. 5c, oz. 15c.

LAVENDER, MAUVE AND PURPLE.

Flora Norton—This is a very bright self blue, darker than Mrs. George Higginson, quite distinct, and a great acquisition. Pkt. 5c, oz. 10c.

Frank Dolby—New—A lovely pale blue, with the bold, wavy standard of the Unwin type, possibly the best of this color. Pkt. 5c, oz. 20c.

Lady Grisel Hamilton—Color a beautiful shining pale lavender. In form it is one of the most advanced giant-flowered type. Pkt. 5c, oz. 10c.

Lady Nina Balfour—Delicate light lavender or lilac, very attractive. Pkt. 5c, oz. 10c.

Mrs. Geo. Higginson, Jr.—A very distinct and delicate pure light blue. Pkt. 5c, oz. 10c.

Romolo Piazzani—A violet-blue self; the standard is only slightly hooded; flower of great size and substance, very vigorous grower. Pkt. 5c, oz. 10c.

MAROON, INDIGO AND VIOLET.

Black Knight—A very deep maroon self, the best of the color; the plants are of vigorous growth and free flowering. Pkt. 5c, oz. 15c.

Black Michael—Color a bright reddish maroon, almost a self color, the wings being only a shade lighter than the standard—a very desirable color. Flowers are large and well shaped. Pkt 5c, oz 15c.

MAROON AND VIOLET—Continued.

Duke of Westminster—A deep, rose-maroon overlaid with bright shining violet; a grand flower, perfectly distinct from any other variety. Pkt. 5c, oz. 10c.

Horace Wright—Large long-stemmed flowers with round open standard of velvety plum-purple; wings violet-purple. The best of this color. Pkt. 5c, oz. 10c.

Lord Nelson—An improved Navy Blue, the flowers being larger and of a richer indigo blue. Pkt. 5c, oz. 15c.

Othello—A beautiful dark brown chocolate red, self colored flowers, a color not before attained. Pkt. 5c, oz. 10c.

BRUCE'S SPENCER OR ORCHID FLOWERED SWEET PEAS.

The introduction of the Spencer type of Sweet Pea has created a new interest and increased the popularity of this general favorite. The Spencer flower is quite distinct and a great improvement on the standard or grandiflora type, being round and open and of extraordinary size, with beautiful waved and fluted standards, the magnificent flowers being generally produced in threes and often fours on long strong stems, making them of exceptional value for cutting.

Beatrice Spencer—White, tinted with soft pink on the standard, while each wing has a blotch of brighter pink near the base; one of the most delicate and dainty varieties offered. Pkt. 10c, oz. 30c.

Mrs. Sankey Spencer—Fully as large as White Spencer, and of equally perfect form. Being black seeded, it is easy to germinate. Like all other black seeded White Sweet Peas, there is a faint tint of pink in the bud, but the fully expanded flower is clear pure white. Pkt 10c, oz 30c.

Miriam Beaver—Entirely distinct in color from any other Sweet Pea; a glowing but soft apricot, tinted, shaded and suffused with lemon. Pkt. 10c, oz. 50c.

Primrose Spencer—Primrose-yellow. The vine is equally as thrifty and free flowering as White Spencer. Pkt. 10c, oz. 25c.

SPENCER SWEET PEAS—Continued.

Aurora, Spencer.

White Spencer—Pure white enormous flowers; the standard is waved and crinkled. Vines vigorous, with heavy foliage. Pkt. 10c, oz. 30c.

W. T. Hutchins—The buds show a decided buff color. The full expanded flower has the appearance of light apricot overlaid with a beautiful blush pink. Pkt. 10c, oz. 50c.

Apple Blossom Spencer—The form is most beautiful, the petals are waved and crinkled to a remarkable degree. The flowers are most attractive and bunch well. Standard crimson pink, shaded deeper at mid-rib to lighter at edges. Wings white tinged and shaded with pink. Pkt. 10c, oz. 30c.

Constance Oliver Spencer—Bright pink, suffused with primrose; a charming flower of the finest Spencer form. Pkt. 10c, oz. 30c.

Countess Spencer—A beautiful clear pink, showing a little deeper at the edges. The form is open and the margins of the petals wavy. A strong, vigorous grower, the large flowers are borne three and four upon long stiff stems. Pkt. 10c, oz. 25c.

Florence Morse Spencer—A charming delicate blush with pink margin. The flowers are large, with the wavy form of the best Countess Spencer type. A most beautiful variety. Pkt. 10c, oz. 30c.

Helen Lewis—The orange-rose wings roll and fold, the standard is reflexed, showing the distinctly fluted effect and is of an intense rich crimson-orange. Pkt. 10c, oz. 25c.

Lovely Spencer—The color is bright pink at the base of both standard and wings, and shades to soft blush and almost white at the edges. Flowers large, wavy and beautiful. Pkt. 10c, oz. 30c.

Mrs. Routzhan Spencer—The blending shades of this charming variety are soft rose and buff and primrose, with a decided rose edge. The flowers are very large and of the most perfect Spencer form. Pkt. 10c, oz. 30c.

Mrs. Hugh Dickson—A cream pink Spencer on buff ground, very fine form, flowers well placed on long stem; a charming flower. award of merit N. S. P. S. 1910. Pkt. 10c, oz. 75c.

Duplex pencer—See Novelties, page 45.

Aurora Spencer—The superbly beautiful flowers are of enormous size and of true Spencer type. Both standard and wings are fluted and waved to a most pronounced degree. The magnificent flowers are produced most profusely in threes and fours. The ground color of the flower is a cream-white, and this is exquisitely flaked and mottled with rich orange-salmon. Pkt. 10c, oz. 30c.

Ethel Roosevelt—See Novelties, page 45.

Senator Spencer—The color is a varying combination of deep claret and chocolate, striped and flaked on a ground of light heliotrope. The vines, which are strong and vigorous, are a perfect mass of bloom throughout the season. Pkt. 10c, oz. 30c.

George Herbert—Flowers of largest size, with broad, round, waved standard of rich scarlet-rose; wings crimson rose. Pkt. 10c, oz. 25c.

John Ingman—The beautiful fluted flowers are a rich carmine rose in the standards, with wings of a deep rosy-pink. Pkt. 10c, oz. 25c.

King Edward Spencer—The enormous flowers come uniformly waved and crinkled. The standard is a rich deep carmine-scarlet of glossy effect. The wings are also carmine-scarlet, and on the reverse side are of a deep rosy-carmine. The vines are vigorous and thrifty the long stems frequently carry four fine blooms, while the majority bear three flowers. Pkt. 10c, oz. 30c.

Vermillion Brilliant—See Novelties, page 45.

Maud Holmes—See Novelties, page 45.

Marie Corelli—The wings are a pure rich rose-carmine, while the standard shows a touch of cherry-red. The whole effect is that of a brilliant crimson, clear, distinct and most beautiful. The plant is of strong growth and very free flowering. Pkt. 10c, oz. 50c.

Queen Alexandra—See Novelties, page 45.

Asta Ohn Spencer—Lavender, suffused or tinted with mauve. The finest of this color in the Spencer selections yet introduced. The flowers are very large and wavy, and come uniformly four blossoms to the stem, and the stems are particularly long and sturdy. Pkt. 10c, oz. 30c.

Black Knight Spencer—Deep maroon. The large and handsome flowers are waved and crinkled, of the true Spencer type. A strong grower and free bloomer. Pkt. 10c, oz. 30c.

Flora Norton Spencer—Bright blue, with just a tint of purple. The flowers are large and very wavy. Pkt. 10c, oz. 30c.

Florence Nightingale—See Novelties, page 45.

Othello Spencer—A rich deep maroon. The flowers come true to type, being beautifully waved and crinkled both in standard and wings. It is a strong grower, and the intensely dark colored flowers contrast well with the lighter shades already introduced. Pkt. 10c oz. 30c.

Irish Belle—See Novelties, page 45.

Pearl Grey—See Novelties, page 45.

CHRISTMAS FLOWERING SWEET PEAS

For growing under glass these new and distinct Sweet Peas are most suitable. By frequent sowings, commencing the middle of August and on during the fall and winter, cut flowers can be had in abundance from Christmas until the following June.

Florence Denzer—White. Pkt. 5c, oz. 20c.
Christmas Pink—Pink and white. Pkt. 5c, oz. 20c.
Mrs. Wm. Sim—Salmon pink. Pkt. 5c, oz. 20c.
Mrs. Alex. Wallace—Lavender. Pkt. 10c, oz. 30c.
Meteor—Scarlet. Pkt. 10c, oz. 50c.
Mrs. F. J. Dolanskey—A lovely shade of soft pink. Pkt. 5c, oz. 20c.
Mixed—Many fine sorts. Pkt. 5c, oz. 25c.

DOUBLE SWEET PEAS.

Under favorable conditions these will produce a large percentage of double flowers.

Mixed Double Sweet Peas—Pkt. 5c, oz. 15c, 2 oz. 25c, ¼ lb. 40c, lb. $1.25.

DWARF SWEET PEAS.

Plants are seldom more than 6 to 8 inches in height, and form a dense mat of richest green foliage 15 inches or more in diameter. The flowers are fully equal in size to those of the tall growing varieties, but are placed closely together, generally three or four at top of a stout stem. For bedding, bordering, or cemetery decoration they are specially valuable.

Choice Mixed Cupids—Pkt. 5c, oz. 15c, 2 oz. 25c, ¼ lb. 40c, lb. $1.25.

Sweet Peas in Mixture

Bruce's Superb Mixed—In the blending of this superb mixture the greatest care has been taken; composed exclusively of the **best up-to-date giant flowering and Spencer varieties,** and in such quantities as to produce the best color effect. We can safely say no better mixture is offered, no matter under what name or at what price. Pkt. 10c, oz. 20c, 2 oz. 35c, ¼ lb. 60c, lb. $2.00.

Bruce's Choice Mixed—This fine mixture is a choice blending (mixed by ourselves) from named varieties only, including many of Eckford's best, insuring a most satisfactory result in colors, and vastly superior to the ordinary mixture sold, which usually contains a large proportion of dull colors. Pkt. 5c, oz. 10c, 2 oz. 15c, ¼ lb. 25c, lb. 75c.

Good Mixed—Oz. 5c, ¼ lb. 15c, lb. 45c.

Sweet Peas in Collections

BRUCE'S ROYAL NOSEGAY

One package each of the eight Superb Varieties described below mailed for 25c.

Gladys Unwin—Pink.
Nora Unwin—White.
St. George—Orange.
Phenomenal—White and lavender.
John Ingman—Rose-crimson.
King Edward—Scarlet.
Mrs. Geo. Higginson—Light blue.
Duke of Westminster—Rose-maroon.

The varieties in the above Unequalled Collection have been specially selected to give the greatest diversity of choicest and most striking colors.

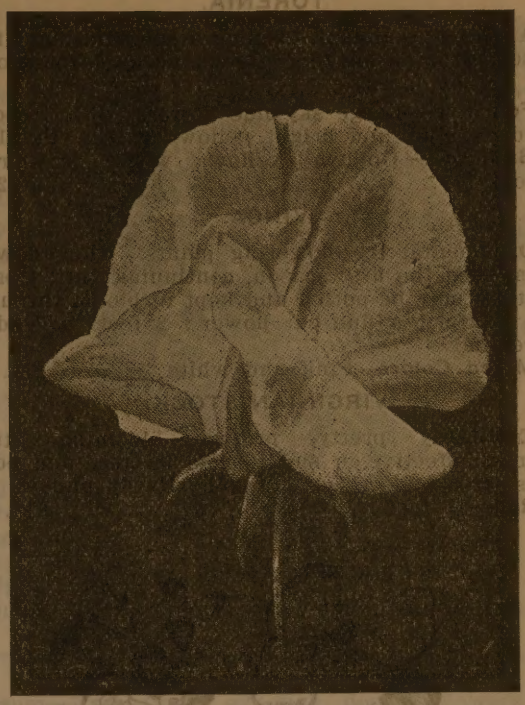
When Sweet Peas are required by mail, add postage to the lb. prices only at the rate of 5c per lb. to Canadian points, and 16c per lb. to Newfoundland and the United States.

SWEET ALLYSUM—See page 46.
SWEET SULTAN—See page 52.

SWEET WILLIAM.

Dianthus Barbatus—Well known and popular biennial, of easy culture. The plants are hardy and of vigorous growth; the flowers sweet scented, borne in profusion, are of extreme richness and variety of color.

Holborn Glory—This strain is a large-flowered selection of the auricula-eyed section, the most beautiful and admired of all Sweet Williams. The individual flowers and trusses are of extraordinary size, while the range of color, all showing a clear white eye, is truly superb .. .. ..Pkt. 10c
Auricula Flowered—Splendid strain .. ..Pkt. 5c
Double—Finest mixed .. ..Pkt. 5c
Single—Finest mixed .. ..oz. 30c, pkt. 5c
Single—Crimson .. ..Pkt. 5c



Mixed Sweet Peas in Separate Colors

For such as prefer to grow the various colors separate, we offer the following mixtures out of choice named sorts:

White and Light shades, Lavender shades, Pink shades, Maroon shades, Scarlet shades.

Price of above, oz. 10c, 2 oz. 15c, ¼ lb. 25c, lb. 75c. Orders filled only for 1 oz. or more of each of above shades of color.

SPENCER NOVELTY COLLECTION FOR 1912

This incomparable collection comprises the latest and best in Sweet Peas. Mailed to any address for 50 cents.

White Spencer. **Asta Ohn Spencer.**
Aurora Spencer. **Marie Corelli Spencer.**
Mrs. Routzhan Spencer. **Black Knight Spencer.**

Sweet William.

TORENIA.

A very fine annual, forming a splendid plant for vases, hanging baskets, greenhouses, or for growing out of doors.

Fournieri—Large sky-blue flowers, with 3 spots of dark blue, and bright yellow centre. Pkt. 10c

Bailloni — Golden yellow with brown-red throat.. .. .. .

VIOLET.

Well known fragrant spring flowering plants. Seed takes 3 to 4 months to germinate. Hardy perennial.

White Perpetual—Very pretty; ½ foot .. ..Pkt. 10c

The Czar—Large flowered purple .. ..Pkt. 10c

WALLFLOWER.

A well known fragrant plant. Half-hardy perennial.

Single Mixed .. ..oz. 40c, pkt. 5c

German Double—Choice mixed; 2 feet .. ..Pkt. 10c

NEW ANNUAL WALLFLOWER.

Flowering the same season from spring-sown seed, their adaptability for pot culture and out-door planting, with their delicious, fragrant, light brown flowers should make these new annuals general favorites .. ..Pkt. 5c

Double Wallflower.

EVERLASTINGS

The Everlasting flowers are not only ornamental during the summer, but very attractive for winter decoration. They should be cut as soon as they come into bloom and dried in the shade with the heads downward to keep the stems straight.

Helichrysum—Everlasting.

Acroclinium—Double mixed, white and rose. Half-hardy annual.

Globe Amaranth—(Gomphrena)—Double mixed. Hardy annual.

Helichrysum—Exceedingly effective, double flowers of most brilliant colors. Hardy annual.

Helipterum—Flowers white and golden yellow. Tender annual.

Rhodanthe—Very handsome, rose and white mixed. Tender annual.

Xeranthemum—Double mixed; purple, yellow and white mixed. Hardy annual.

Any of the above, pkt. 5c, the 6 for 25c.

SPECIAL MIXTURE OF FLOWER SEEDS FOR WILD FLOWER GARDENS

These mixed flower seeds embrace a great variety of such easy growing and pretty flowers as are suitable for forming a wild flower garden. They are very useful for sowing in almost any odd corner of the garden or grounds, and if kept free from weeds can be made to produce a continual display of bloom during summer. Pkt. 10c. ½ oz. 20c, oz. 30c.

ORNAMENTAL GRASS SEEDS

Are remarkably valuable for the formation of winter bouquets, wreaths and other ornaments, in connection with the everlasting flowers, for which purpose they should be cut when green, at about the time of flowering, and dried in the shade. **Those marked with an Asterisk are Perennial Species.**

Agrostis Pulchella—Very beautiful .. ..

FLOWERING BULBS

GLADIOLUS FOR SPRING PLANTING

There are few flowers which produce such a gorgeous effect as this magnificent autumn flowering plant. Largely as they are used, and popular as they undoubtedly are, they deserve to be still more extensively grown. The great wealth and variety of color, the richness of their markings, and size of the flowers and the profusion of bloom, all combine to make them one of the most effective plants for the garden, either for massing or for growing as single specimens.

Culture—Gladiolus are of the easiest culture. The bulbs may be planted any time from the middle of May to the middle of June. They will grow well in ordinary garden soil with almost no care whatever. The bulbs may be taken up in the fall and stored during the winter in a dry cellar away from frost.

Gladiolus prices are postpaid to Canadian points. To United States and Newfoundland add 50c per 100 for postage.

MIXED GLADIOLUS.

Bruce's Superb Mixed—This splendid mixture is made up by ourselves, and includes Groff's magnificent hybrids, Childsi, Lemoinei and Gandavensis. 10 for 60c, 25 for $1.25, $4.50 for 100.

Groff's Hybrid Seedlings—A good mixture of blooming bulbs. 10 for 30c, 25 for 60c, $2.00 for 100.

Childsi Mixed—A very superior mixture. 10 for 50c, 25 for $1.00, $3.75 for 100.

Choice Mixed—A satisfactory mixture, strong flowering bulbs. 10 for 25c, 25 for 60c, $2.00 for 100.

Good Mixed—A good flowering mixture. 10 for 20c, 25 for 45c, $1.50 for 100.

Bruce's White and Light Shades—Fine, specially for florists. 10 for 40c, 25 for 85c, $3.00 for 100.

Bruce's Special Florists' Mixture—Whites and Pinks. 10 for 60c, 25 for $1.35, $5.00 for 100.

Mixed Gladiolus.

COLLECTIONS OF GLADIOLUS

The following 10 collections are all grown from stocks of H. H. Groff, the famous Canadian specialist, the greatest authority and introducer of Gladiolus of the present day. He was awarded the gold medal at the World's Fair, St. Louis, and Pan-American Exhibition, Buffalo.

WORLD'S FAIR SECTION.	Each.	10	25
Collection A—Newest shades in white and light colors	11c	$1.00	$2.25
Collection B— " reds and crimsons	11c	1.00	2.25
Collection C— " blues	11c	1.00	2.25
Collection D— " yellows	11c	1.00	2.25
Collection E—Above 4 mixed	11c	1.00	2.25

PAN-AMERICAN SECTION.	Each.	10	25
Collection F—New shades in white and light colors	8c	$0.70	$1.50
Collection G— " reds and dark colors	8c	70	1.50
Collection H— " blues	8c	70	1.50
Collection I— " yellows	8c	70	1.50
Collection K—Above 4 mixed	8c	70	1.50

GRAND NAMED GLADIOLUS

America—Exquisite soft lavender pink, the most beautiful color yet seen in Gladiolus. Grand long erect spikes, the best florists' variety and a beautiful bedding sort. 10c each, 10 for 80c, 25 for $1.75.

Attraction—Deep, dark, rich crimson, with a very conspicuous large pure white centre and throat; splendid for florists. 10c each, 10 for 80c, 25 for $1.75.

Blue Jay (Baron Hulot)—Finest blue Gladiolus yet seen. It is a rich, deep color, of an indigo blue. 20c each, 10 for $1.80, 25 for $4.25.

Cardinal—Perfect flower and spike, very large, of the brightest and most intense cardinal scarlet. Very rich and showy, and the very finest high colored sort yet seen. 15c each, 10 for $1.25, 25 for $2.75.

Ceres—Pure white, spotted with purplish rose. Splendid variety for cut flower trade. 5c each, 10 for 40c, 25 for 80c.

Contrast—Flowers of great substance and a beautiful compact spike of perfect form. Color intense scarlet, with a large distinct pure white centre, which is neither tinted or mottled. 30c each, 10 for $2.50.

Princeps.

GRAND NAMED GLADIOLUS

Dawn—Long spikes. Deep rose color with large pure white center. Exceptionally beautiful. Very vigorous grower. 30c each, 10 for $2.50.

Irene—Fine large flower and spike. Color a fine shade of pink flaked bright crimson. Fine florists' variety. 10c each, 10 for 80c, 25 for $1.75.

Kunderdi Glory—A delicate cream pink, with a most attractive crimson stripe in the centre of each lower petal. It is quite distinct from other varieties, owing to the petals being exquisitely ruffled and fluted. 15c each, 10 for $1.30, 25 for $3.

La Candeur—Large, well rounded flowers, almost pure white; the lower petal slightly suffused with straw color, bears a rosy-carmine band in the centre. 30c each, 10 for $2.50.

La Luna—The large heavy buds open as pale yellow, changing to nearly white when expanded. Splendid. 20c each, 10 for $1.80, 25 for $4.25.

May—A lovely pure white flower, finely flaked bright rosy crimson. Splendid variety for cut flower trade. 5c each, 10 for 40c, 25 for 85c.

Mephistopheles—Flowers of large size, dark red, stained with black and yellow. 15c each, 10 for $1.20, 25 for $2.50.

Mrs. Francis King—One of the best florists sorts, with large flowers and stalk, and handsome appearance. The color brilliant flamingo pink, blazed with vermilion red, is most effective both in daylight and artificial light. 8c each, 10 for 60c, 25 for $1.25.

Morning Star—Flowers showy white with a large, rich velvety crimson throat. Exceedingly striking and beautiful, and the earliest to bloom of all. Each 20c, 10 for $1.80, 25 for $4.25.

Niagara—The flowers measure 4½ inches across. The color is a delightful cream shade with the two lower inside petals or segments blending to canary yellow. The throat is splashed with carmine, and the lower ends of the outside petals are also blushed with carmine. The stamens are purple and the stigmas pale carmine, this little addition in the coloring relieving the creamy effect of the petals. The flower spike is very erect and stout and is wrapped with broad dark green foliage. 30c each, 10 for $2.75.

Oriole—Lovely mottling of pink and grey, with beautiful yellow banded throat. Exquisite spike. Each 20c, 10 for $1.80, 25 for $4.25.

Octoroon—A beautiful salmon pink, very distinct; fine for florists. 10c each, 10 for 80c, 25 for $1.75.

Princeps—(The Amaryllis-flowered Gladiolus)—Color, rich crimson, with broad white blotches across the lower petals, making a most striking variety. A magnificent spike covered with bloom, the flowers being 5 inches across. 20c each, 10 for $1.90, 25 for $4.50.

Peace—One of the grandest Gladioli. The plant is striking and attractive, with tall erect stalk or spike; flowers of beautiful form; a magnificent white, with pale lilac feathering on the inferior petals. 30c each, 10 for $2.50.

Rosy Spray—White, beautifully sprayed rose. Large and fine. One of the very best. 15c each, 10 for $1.30, 25 for $3.00.

Sulphur King—Beautiful clean sulphur yellow, finest and clearest of yellow sorts. 30c each, 10 for $2.50.

Scribe—A beautiful large well-opened flower, and an enormous spike. Color like the fine old Eugene Scribe, tinted white, freely striped carmine. Each 10c, 10 for 90c, 25 for $2.00.

Shakespeare—White, very slightly suffused with carmine-rose; large rosy blotch. Each 15c, 10 for $1.20, 25 for $2.50.

Wm. Falconer—Spike of great length and flowers of enormous size. Beautiful clear light pink. Fine florists' variety. 15c each, 10 for $1.20, 25 for $2.50.

Wild Rose—Very bright rose of blush tint. Exceedingly delicate and pretty. Splendid for florists. 20c each, 10 for $1.80, 25 for $4.25.

1 each of above fine collection, 26 for $4.00.

1 each of 11 of above, our choice, for $1.00.

Kunderdi Glory.

LILIUM HENRYI—The Glorious Yellow Speciosum Lily

A splendid lily from the mountains of China, with a strong and vigorous constitution, throwing up immense panicles of flowers similar in form to Speciosums, but the color is a deep orange-yellow, banded with green. Very easy of culture and sure to delight everyone. Slight protection in winter is a good thing in the North. 80c each, postpaid.

CALLA ELLIOTTIANA

This is the great new yellow Calla of marvellous beauty. Flowers are very large rich deep golden yellow, often 4 to 5 inches across the mouth, leaves are spotted with white. Such handsome foliage, together with such remarkable flowers ,present a striking appearance indeed. 40c each, postpaid.

DAHLIAS

We offer below a superb collection of Dahlias of various types, specially grown for us by one of our leading florists. Plant when the ground is dry and warm, from middle of May to middle of June, in rich, loamy soil at a distance of not less than 2½ or 3 feet, water frequently after planting and tie to stakes. A little pruning and thinning out will produce extra large blooms. About the middle of October take up the roots and place on shelves in a dry cellar, free from frost.

SUPERB DOUBLE SHOW DAHLIAS.

A. D. Livoni—Beautiful soft pink, with quilled petals, full to the centre, of large size. A very early and profuse blooming variety.

Amazon—Yellow, edged red. Large bloom, produced in profusion.

Arabella—Color, pale primrose, tipped and shaded old rose and lavender, of exceptionally fine form.

Bird of Passage—Very attractive Dahlia, faintly suffused and heavily tipped deep carmine rose.

Black Diamond—A rich, dark maroon, large and very beautiful.

British Splendor—Bright red, large, full bloom of fine form.

Frank Smith—Intense purplish maroon, tipped white; beautiful and striking flower.

Glowing Coal—Bright glowing scarlet, of exceedingly attractive color. Flowers good size and free blooming.

Gold Finch—Deep yellow; large, very double flowers of beautiful form.

Grand Duc Alexis—A magnificent flower of largest size and distinctly unique form, the petals are rolled up so that the edges overlap each other. The color is pure white, tinged delicate pink.

John Elitch—Rich, deep crimson, very fine, large and double.

John Walker—The best pure white show dahlia for exhibition purposes; beautiful full round form, with a high centre.

Mrs. Gladstone—Delicate soft pink, large and splendid form, the finest pink Dahlia.

Mrs. Stancombe—Straw-yellow, suffused amber, striped red and tipped blush.

Queen Victoria—Bright yellow, very double and good form.

Red Hussar—Cardinal red, long stems.

Uncertainty—Flowers of many colors from deep maroon to blush white; seldom two flowers alike, which makes this a most attractive Dahlia. Large double blossoms borne in profusion.

FANCY AND DECORATIVE DAHLIAS.

Catherine Duer—Rich glowing red, large flower.

Clifford W. Bruton—Canary-yellow, of fine form and profuse bloomer. Flowers of very large size.

Jack Rose—Bright velvety red, fairly large flower produced in abundance; splendid. 25c.

Jeanne Charmet—Very large, exquisite flowers, pink at the edges, pure white towards the centre and light yellow at the margins. 35c.

Jessie McIntosh—Red, tipped white; large double flowers.

Mrs. Charles Turner—Pure yellow, free blooming.

Mrs. Winters—Snow white flowers, perfectly formed.

Nymphea—Clear, shrimp pink, lighter towards centre.

Pink Beauty—A pleasing shade of pink shaded purple.

Souvenir de Gustave Doazon—Immense flowers borne in profusion, rich scarlet; one of the finest. 25c.

Cactus Dahlia—Countess of Lonsdale.

CACTUS DAHLIAS.

This variety of the Dahlia has become very popular, and deservedly so, for their many forms and colors are decidedly attractive, and no garden should be without them.

Countess of Lonsdale—Beautiful shade of rich, salmon-tinted apricot, large flowers of fine form. A splendid variety.

Else—Salmon-pink, slightly suffused yellow; free blooming. 25c.

Floradora—Color beautiful glistening scarlet-crimson, fine cactus form, full to the centre with fine pointed petals.

General Buller—Rich, velvety crimson, nearly black at base, with pure white tips, distinct and effective.

Harbour Light—Vivid orange red, shading off to flame at the points; striking.

Iceberg—Pretty, ivory-white, florets long and narrow.

J. H. Jackson—Brilliant crimson-maroon, beautiful and free flowering. 25c.

Kriemhilde—The queen of Cactus Dahlias. Flesh delicate pink, shading to white in the centre, a splendid variety for cutting and decorative work.

Magnificent—Rosy salmon, very effective variety.

Mars—Rich scarlet, of dazzling shade, long petals, vigorous grower.

Spotless Queen—Snow-white flowers with long graceful petals.

Venus—Pure white flowers. Plant of low growing, branching habit.

Winsome—Pure white, incurved flowers of the most delicate and pleasing appearance.

See next Page for Prices.

Double Begonias.

DAHLIAS—Continued.

SINGLE DAHLIAS.

Crimson Century—Glowing crimson, tipped white, exceedingly effective.

White Century—Snow white, chaste and graceful.

Yellow Century—Canary yellow, of a pleasing shade, large.

POMPON DAHLIA.

Dude—This class produces small, very double flowers, which are ideal for bouquet work. Bushy plants about 2½ feet in height. Flowers are white, shaded mauve, and cover the plants.

Prices—Named Dahlias :

Unless otherwise stated 20c each, $2.00 dozen. By mail, postpaid, 20c each, $2.20 dozen.

PRICES—MIXED DAHLIAS

10c each, $1.00 dozen By mail, postpaid, 12c each, $1.20 dozen

LILIES AND VARIOUS BULBS, ETC.

	Each.	Per doz.
Lilium Auratum—(Golden Japan)	20c	$1 80
" **Elegans**—Mixed, many colors	15	1 50
" **Lancifolium**—Album, white Japan	20	1 80
" " —Rubrum, red Japan	20	1 80
" " —Melpomene, white and red	20	1 80
" **Pardalinum**—(Leopard)	15	1 50
" **Tigrinum**—(Tiger)—Double	15	1 50
" **Umbellatum**—Many colors	15	1 50
" **Wallacei**—Bright Apricot	15	1 50
" **Tenuifolium**—Coral red	15	1 50

	Each.	Per doz.
Spider Lily	20c	$1 80
Tigridias—Mixed	10	1 00
Fairy Lilies	10	1 00
Childanthus Fragrans—Yellow	15	1 20
Hyacinthus Candicans	10	1 00
Ismene Giant—White, magnificent	20	1 80
Madeira Vines	5	50
Cinnamon Vine Roots	10	1 00
Tuberous Rooted Wistaria	10	1 00
Montbretia—Mixed	10	1 00

Add for postage to Canadian points 12c per dozen to above prices.

GLOXINIAS AND TUBEROUS BEGONIAS

Our stock of these beautiful and interesting plants is from a celebrated continental grower, and can be recommended with confidence. The Begonias make splendid plants for outdoors. Start in pots inside in March or April, and plant out in June. They require lots of water and to be planted in the shade. We offer dormant flowering bulbs of the following, prices, postpaid :

	Each.	Per doz.
Gloxinias—Separate colors, White, Scarlet with white throat, Tigered and Spotted	20c	$2 00
Gloxinias—Mixed colors	15c	1 50
Begonias—Single, separate colors, White, Pink, Crimson, Scarlet and Yellow	15c	1 50
Begonias—Single mixed colors	10c	1 00
Begonias—Double separate colors, White, Pink Crimson, Scarlet and Yellow	20c	2 00
Begonias—Double mixed colors	15c	1 50

Gloxinias

DOUBLE TUBEROSE

The fragrance and beauty of the Tuberose has made it a favorite with all. It keeps in bloom for a lengthened period, and its pure white wax-like flowers are produced on long spikes. Plant in the open ground in May; the bulbs can be started much earlier in pots if desired. Place in a sunny spot in a rich soil and cover the top of the bulbs to the depth of an inch.

The Pearl— Large flowering roots, first size.Each 5c, per doz. 30c, per 100 $2.00. Add for postage to Canadian points 10c doz., 50c per 100.

Single, Orange—Scented—A fine early sort, with beautiful orange-like flowers. 5c each, doz. 40c, $3 00 per 100. Add for postage to Canadian points, 10c per doz., 50c per 100.

Single Albino—Early bloomer, dwarf habit, flowers waxy white, single ,fragrant, 5c each, doz. 40c, $3.00 per 100. Add for postage to Canadian points, 10c per doz., 50c per 100.

COLOCASIA (CALADIUM) ESCULENTUM (ELEPHANTS EAR)

One of the most beautiful and striking of the ornamental foliage plants, either for cultivation in large pots or tubs, or for planting out on the lawn.Extra large, 20c each; $2.00 per doz. Large, 12c each, $1.20 per doz. Good, 10c each, $1 doz Fancy leaved varieties, 20c each, $2 per doz., postpaid.

Plant Department

Add for postage 5c for all orders under five plants; over five plants at rate of 10c per ten. It will be noted some plants can only be sent by express.

BY EXPRESS—We recommend customers to order their Plants by express whenever it is possible, as the stock we send is larger and is shipped so as to protect the roots more carefully.

SAFE ARRIVAL GUARANTEED—We guarantee all plants to arrive in good condition. Any complaints must be made **within one week after the plants have been received.** We will then replace any which may not have arrived in good growing condition, but we cannot be held responsible for plants dying afterwards from neglect or any other cause. We do not pay Express or Freight Charges.

ABUTILONS—Flowering Maples.

Always popular for pots, vases and baskets. Their flowers are perfect bell-shaped, and appear in masses all summer.

Boule de Niege—Fine pure white, free blooming. Each 20c.

Crimson King—New—Dark glowing crimson, fine habit. Each 20c.

Eclipse—Trailing habit, flower yellow and brown; foliage green, spotted yellow. Each 20c.

Savitzi—The large, deep green foliage with a broad white margin, makes a fine contrast; of dwarf, compact growth. Each 20c.

Mrs. J. Laing—Color, pure rose pink. Each 20c.

Special Offer—One each of the 5 varieties, 85c.

ALOYSIA CITRIODORA.

Lemon Verbena—The delightful fragrance of its leaves renders this indispensable in making bouquets. The plants will grow to a large size if wintered over in a cellar. Each 15c.

Asparagus Plumosus Nanus.

ASPARAGUS.

Plumosus Nanus—Climbing Lace Fern—A most graceful plant with bright green gracefully arched foliage; beautiful decorative plant. Each 15c. Larger plants, each 25c and 40c.

Sprengeri—Especially useful as a pot plant for suspended baskets; fronds are frequently four feet long, of a rich shade of green, excellent for house culture. Each 15c. Larger plants, each 25c and 40c.

ARAUCARIA EXCELSA.

(Norfolk Island Pine)—This beautiful house plant resembles the pine somewhat in appearance, though much finer in texture. Each 75c by mail; $1.00 and $1.50 by express.

BEGONIA—GLOIRE DE LORRAINE.

This is undoubtedly the greatest gem in Flowering Begonias yet introduced. It grows from 12 to 15 inches high, forming graceful, bushy specimens, completely smothered with rosy pink flowers. Nice young plants ready June 1st. Ea. 40c

BEGONIA REX.

These are grown for their gorgeous variegated foliage, and are desirable plants for house culture. Our assortment is unequalled. Each 20c, 3 for 50c.

Begonia Manicata Aurea.

BEGONIAS—Flowering Varieties.

New Ontario—New—One of the finest, flowers are large, creamy white, with just sufficient pink to give them a bright, cheerful glow, the foliage is a bronzy-green above and red below. Each 20c.

Argentea Guttata—Foliage large size, green, spotted with silver. Each 15c.

Haageana—Foliage of large size, flowers cream white, shaded pink. Each 15c.

Manicata Aurea—Large glossy leaves, beautifully blotched with creamy-white. Flowers delicate blush white, on long stems. Each 20c.

Metallica—Large, glossy leaves, shaded with green, crimson and olive. Large pink flowers. Each 20c.

Semperflorens Gigantea Rosea — A vigorous grower, producing magnificent panicles of large carmine red flowers. Each 20c.

Thurstoni—A beautiful stately plant, with remarkably handsome glossy foliage. Flowers rosy white, in large clusters, well above the foliage. Each 15c.

Special Offer—Set of seven for $1.00.

BOURGAINVILLEA.

Sanderiana—Almost a continuous bloomer. Produces freely its dazzling rosy crimson flowers. Each 35c.

CHRYSANTHEMUMS.

Dr. Enguehard—Rose pink; mid-season. Ea. 15c.

Golden Glow—Incurved, bright yellow, large, early. Each 20c.

Golden Wedding—Shines like burnished gold; mid-season. Each 15c.

Ivory—Snow white, perfect form; mid-season. Each 15c.

Major Bonaffon—Soft, clear yellow; mid-season. Each 15c.

Minnie Bailey — Bright pink, of exceptional beauty; mid-season. Each 15c.

Pacific Supreme—New—Beautiful shade of pink, early. Each 20c.

Robert Halliday—Early, yellow. Each 15c.

Strathcona—Late flowering white. Each 15c.

Special Offer—Any six for 75c.

Cannas.

CANNAS—Beautiful Bedding Plants.

Dormant Roots—Each 10c, dozen $1.00, by mail, except where priced.

Strong plants, for shipment in May, by express only, each 20c, dozen $2.00, except where priced.

Alphonse Bouvier—5 ft. Crimson flowers.

Austria—5 ft; canary yellow, orchid flowered.

Beaute Poitevine—3 ft. Brilliant crimson-scarlet.

Black Beauty—5 ft. Foliage deep crimson bronze scarlet flower. Each 15c, plants 25c.

Buttercup—3 ft. Deep buttercup yellow; large.

Express—3 ft. Bright scarlet crimson.

Egandale—4 ft. Cherry red; bronze foliage.

Florence Vaughan—4 ft. Orange yellow, spotted crimson.

Gladiator—4 ft. Bright yellow, spotted crimson; enormous trusses. Each 15c, plants 25c.

Italia—5 ft. Yellow and red, effective.

J. D. Eisle—3½ ft. Bright vermillion scarlet, overlaid with orange, very fine variety.

King Humbert—New—4 ft. Giant orange scarlet flower, bronze leaf. Splendid variety. Each 15c, 12 for $1.50. Plants, by express, 25c each, 12 for $2.50.

Mlle. Berat—3½ ft. Exquisite shade of pink.

Mrs. Kate Gray—5 ft. Orchid flowered, scarlet and yellow.

Niagara—3½ ft. Rich deep scarlet, edged yellow

President Meyer—4 ft. Rich cherry carmine, immense trusses.

Progression—4 ft. Yellow, spotted red.

Richard Wallace—4½ ft. Canary-yellow, large flowers; a fine variety.

Robusta—6 ft. Gigantic dark leaved foliage.

CACTUS.

Sanseveria Zeylanica — It stands dust and draught with impunity, and should be given scarcely any water. The leaves grow to a length of 3 or 4 feet, and are beautifully striped crosswise with white and green. Each 20c.

CARNATIONS—Everblooming.

Special Offer—One of each for 85c.

Enchantress—A pleasing shade of light pink. Each 15c.

Harlowarden—Large flowering crimson. Ea. 15c.

Rose-Pink Enchantress—New—Beautiful deep rose color. Each 20c.

Beacon—New—Bright scarlet, splendid. Ea. 20c.

White Perfection—The largest pure white yet introduced. Each 20c.

Winsor—New—Clear, silvery pink. Each 20c.

LARGE-LEAVED COLEUS.

Brilliancy—Very large leaves of bright carmine, shading off to a deep maroon. Each 20c.

Alex. Reid — Beautifully variegated colors, brown and carmine, with greenish-yellow edge, changing to deep carmine-red; leaf large, with serrated edges. Each 15c.

COLEUS.

Beautiful foliage plants, splendid for bedding. 10c each, $1.00 dozen, $6.00 per 100 by express.

Beckwith's Gem—Crimson-maroon, bordered green and gold.

Blizzard—Bright red, yellow margin.

Golden Bedder—The standard yellow bedding variety.

Louise Beck—Chocolate brown.

Queen of the West—Light green, spotted red.

Verschaffeti—Bright crimson; a splendid variety.

CYCLAMEN.

Giant Flowered—Beautiful winter blooming plants, one of the most satisfactory plants for house culture. Rose, white, salmon and crimson. Each 20c.

FUCHSIAS.

15c each, 3 for 40c.

Black Prince—Red and purple, single.

Gloire des Marches—(Double)—A vigorous upright grower; blush white petals, bright coral colored sepals.

Phenomenal — (Double) — The largest known. The tube and sepals are bright coral red; the corolla is of a very rich violet shade.

Sunray—Variegated foliage, flowers purple and red.

Storm King—(Double)—Elegant habit, produces its pure white flowers in great profusion.

Trophee—Double, purple, superb variety.

GENISTA.

(Shower of Gold)—Flowers are pure yellow and literally cover the plants. Sweetly delicate perfume. Each 20c.

Fern, Elegantissima Compacta.

FERNS

Whitmani — (The Improved Ostrich Plume Fern)—Not only is the pinnae on the fronds finely divided, but the fronds are dense, broad and graceful. Each 20c and 35c.

Amerpholi—The pinnae is so finely divided that it reminds one of a piece of fine lace; the fronds are broad and deep. Each 20c and 35c.

Todeaoides (Todea, or Filmy Fern)—It is of strong compact growth, with bold, heavy foliage, the pinnae of which is finely divided. Each 20c and 35c.

Scotti—(The Dwarf Boston Fern)—Of much dwarfer and bushier growth than the Boston Fern. It is one of the most ideal plants for the house. Each 20c and 35c.

Superbissima—This is a unique and distinct variety, its distinguishing characteristics are its dark green foliage and dense growth. Dwarf, compact, and sturdy habit. Each 20c and 35c.

Magnifica—As its name implies this new addition to the Ostrich Plume type is a magnificent one. Strong growth, with finely divided pinnae. Each 20c and 35c.

Scholzeli—(The Plumed Scotti Fern)—It is a sport from Scotti, possessing all the merits of that most popular variety, but with the pinnae sub-divided, giving it a feathery appearance. Each 25c.

Boston—This is a wonderfully healthy, rapid growing and graceful house plant. In great demand. Each 20c and 35c.

Elegantissima—Feathery plume-like fronds, producing an exquisite and beautiful effect. Each 20c and 35c.

Specimen Plants of the above Ferns, 75c, $1.00, $1.50 and $2.00 each, by express.

Assorted Ferns—Maiden Hair, Pteris, Holly Fern and many other popular varieties, suitable for fern dishes. Each 15c, 4 for 50c.

NEW FERNS.

Improved Elegantissima—A dwarf variety of the Elegantissima, making a splendid fern for the table. Each 25c.

Elegantissima Compacta—A beautifully compact and dwarf fern, one of the finest of table plants; fronds are finely divided. Each 30c.

FICUS, OR RUBBER TREE.

Nothing better for table or house decoration. Its dark green, shiny foliage is always handsome, and its constitution is such that it is able to stand the excessive heat and dryness of the ordinary dwelling house without injury. Each $1.00.

GERANIUMS.

Best Double Sorts

Alphonse Riccard—Bright vermillion scarlet.

Beaute Poitevine—Salmon pink.

Colonel Thomas—Cardinal red.

Madame Barney—Large, the purest deep pink.

Peter Henderson—Fine bedder, light vermillion.

C. Morel—The truss is enormous, glowing scarlet.

Fleuve Blanc—Large double, pure white.

Mme. H. Buchner—One of the best whites for bedding.

Jean Viaud—Silvery pink, very large flower.

John Doyle—Soft scarlet, trusses large size.

Marquis de Castellaine—Bright red, fine bedder.

S. A Nutt—Dark crimson, finest of its color.

Best Single Sorts.

Dryden—A grand bedder, bright rosy red, with large white blotches.

General Leonard Wood—Crimson rose, with white blotch.

Gertrude Pearson—Pure rose pink, with white blotch.

Mrs. E. G. Hill—Salmon pink, large truss.

John P. Cleary—Deep orange-scarlet.

Tiffin—Scarlet, large trusses.

Each 15c, dozen $1.50; large plants by express, each 20c, $2.00 dozen.

IVY LEAVED GERANIUMS.

Splendid variety, different colors. Each 15c, dozen $1.50.

SWEET-SCENTED GERANIUMS.

Our collection contains Rose, Balm, Lemon and other sweet scented varieties. Ea. 20c, doz. $2.00.

PELARGONIUMS.

(Lady Washington Geraniums.) They are well adapted for pot and greenhouse plants, but unsuitable for bedding purposes; the flowers are very large and showy, the petals of which are usually blotched and striped. Each 20c, doz. $2.00.

SILVER LEAVED GERANIUMS.

Mrs. Parker, double pink flowers; **Wm. Langguth**, double bright red flowers. **Silver Leaved S. A. Nutt**, double crimson flowers; **Mme. Salleroi**, silver foliage only. Each 20c, dozen. $2.00.

HYDRANGEA.

Otaksa Monstrosa—Handsome rosy carmine flowers; it has the rare quality of blooming when very small. Each 20c.

Souvenir de Claire—New—Very bright pink, beautiful. Each 25c.

IVY.

Each 15c, 3 for 40c.

English—Excellent for cultivation in the house, brilliant green leaves.

French—Variegated green and white.

German or Parlor Ivy—Rapid growing, adapted for covering trellis work, etc.

Irish Ivy—The hardiest of all ivies; narrow elongated leaves.

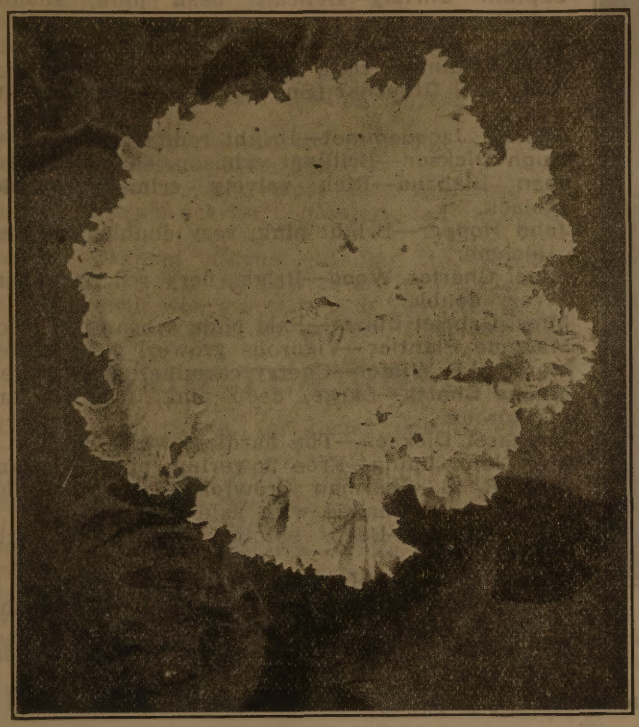
NEW DOUBLE BLUE LOBELIA.

Kathleen Mallard—Large double flowers of an intense rich deep blue color. Most desirable plant. Fine for bedding. Each 15c, dozen $1.50.

PRIMULA.

Obconica, New Gigantea—It is in full bloom the greater part of the year, producing trusses of very large fringed flowers in many colors. Ea 20c.

Chinese—Charming profuse blooming plants, indispensable for winter and spring decoration in the house. Each 20c.



Double Fringed Petunia.

BRUCE'S SUPERB DOUBLE FRINGED PETUNIAS.

Beautifully fringed plants, in a large variety of colors, splendid for bedding purposes; white and mauve, rosy-magenta mottled white, violet-rose mottled white, pure white mottled tyrian rose, pure white, violet-rose. Each 15c, dozen $1.50.

MOONFLOWER.

A very rapid growing vine. At night and during dull days the plants are covered with fragrant flowers. Each 20c, 3 for 50c.

OLEANDERS.

Set of 3 Varieties for 60c.

These old-fashioned shrubs are becoming immensely popular again.

Rosea—Double pink flowers, very sweet. Ea 25c.

Lilian Henderson—Has double white flowers of the largest size; fragrant. Each 25c.

Lutea—Double primrose yellow flowers; lovely shade; fragrant. Each 25c.

PALM, KENTIA BELMOREANA.

This is sometimes called the Curly Palm, and is recognized as among the best for all purposes, being capable of standing more ill-usage than any other. The leaves have a tendency to curl as the plants grow older, hence the popular title of Curly Palm. Each 60c, $1.00 and $1.50 by mail; $2.50, $3.50 and $5.00 by express.

PALM, KENTIA FORSTERIANA.

The leaf segments droop instead of curving upwards as in Kentia Belmoreana, which it much resembles in other fine points. Each 75c and $125 by mail; $2.00 and $3.50 by express.

PALM, COCOS WEDDELIANA.

The most elegant and graceful of all the smaller Palms. Each 75c and $1.00.

OTAHEITE ORANGE

This beautiful dwarf orange tree is one of our prettiest house plants; thick glossy green leaves and sweet pure white flowers; begins fruiting at once, and bears flowers and golden-yellow oranges all the year. Easily grown and requires little care. Fruit edible. Each 25c; large plants each, 50c.

PONDEROSA LEMON.

Can be as easily grown in a pot as a Geranium; produces fruit weighing from 1 to 3 pounds each. Has large, deep green leaves and pure waxy-like flowers, that are as fragrant as orange-blossoms. The enormous lemons are delicious. Each 25c; large plants ,each 50c.

Kentia Forsteriana.

MISCELLANEOUS PLANTS

Ageratum—10c each, $1.00 doz.

Irisene (Achyranthus)—Dwarf red; tall red; fine bedding plants. Each 10c, $1.00 doz.

Alternanthera—Red and yellow, for carpet beds and borders. Each 10c, doz. $1.00.

Cuphea—(Cigar Plant)—Each 10c, $1.00 doz.

Cherry, Jerusalem—Easily grown plants, with ornamental fruit. Each 15c.

Cyperus Alternifolius — (Umbrella Plant) — Each 20c.

Dracaena—(Cordyline Indivisa)—Long, narrow leaves. Each 15c, 35c and 50c.

Hibiscus—(Peach Blow)—Double pink flowers, fine decorative plant. Each 20c.

Heliotrope—Dark blue, light blue. 15c each, $1.50 dozen.

Salvia—(Fireball)—Each 15c, ,doz. $1.50.

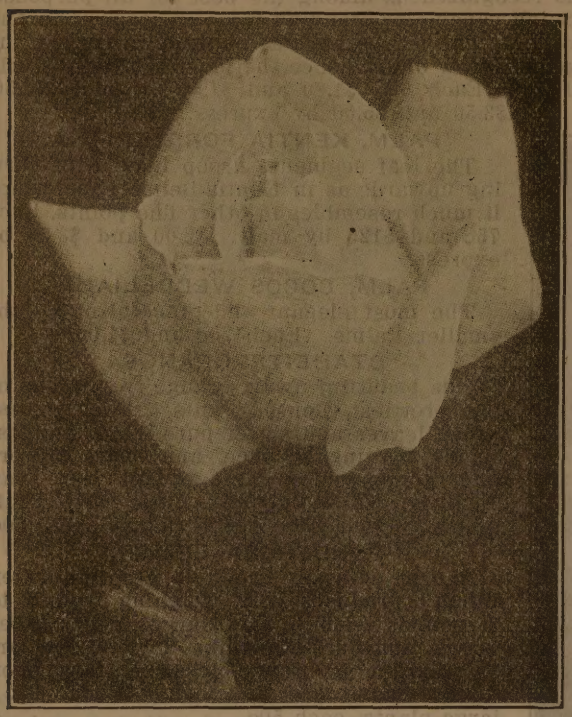
Tropaeolum—(Nasturtium)—Double scarlet and double yellow. Each 10c, doz. $1.00.

Tradescantia—Wandering Jew—Each 10c.

Vincas—Variegated and green trailing plants. Each 15c, dozen $1.50.

Assorted Plants, for Hanging Baskets, Vases and Window Boxes...Dozen $1.00.

HARDY FRAGRANT HYBRID PERPETUAL ROSES



Frau Karl Druschki Rose.

Extra Strong Two-year-old Field Grown Plants.

Anna de Diesbach—Bright pink, full and double.
Baron de Bonstettin—Rich dark red, splendid large flowers.
Baroness de Rothschild—Light pink, very large.
Captain Christy—Delicate flesh pink, shading deeper.
Duke of Connaught—Velvety crimson, vigorous.
Fisher Holmes—Dark scarlet, large flowers.
Frau Karl Druschki (Snow Queen)—Purest white, large.
General Jacqueminot—Bright red, fragrant.
Hugh Dickson—Brilliant crimson, shaded scarlet.
Jean Liabaud—Rich velvety crimson, shaded black.
John Hopper—Bright pink, very double, excellent bloomer.
Mme. Charles Wood—Bright fiery red, large and very double.
Mme. Gabriel Luizet—Pale pink, a beautiful color.
Madame Plantier—Vigorous grower, pure white.
Marshall P. Wilder—Cherry carmine, large flowers
Magna Charta—Large, deep pink, fragrant and vigorous.
Margaret Dickson—The hardiest white rose.
Mrs. John Laing—Free flowering, pink, fragrant.
Mrs. R. G. Sherman Crawford—Deep rosy-pink, outer petal shaded with pale flesh color.
Paul Neyron—Deep, shining rose, very large flowers.
Persian Yellow—Hardy, double, pure yellow.
Prince Camile de Rohan—Deep velvety-crimson, shaded black; very handsome.
Soliel d'Or (Golden Sun)—A yellow rose of great merit.
Ulrich Brunner—Soft, clear red.

Price, postpaid, each 30c, 4 for $1.00, dozen $2.75. By express, 5 for $1.00, dozen $2.30.

HARDY EVER-BLOOMING HYBRID TEA ROSES

Strong, two-year-old, field-grown plants. A selection from this collection, which contains many new varieties, will keep one in roses all summer, all perfectly hardy, with light protection during winter.

American Beauty—The largest, sweetest and best of roses. Rich crimson color.
Augustine Guinnoiseau Delicate blush color, very fragrant.
Belle Siebrecht—Brilliant pink.
Clothilde Soupert—White, shading to deep pink at centre. Each 50c.
Countess of Gosford—Clear salmon pink, base of petals suffused saffron yellow; large. Each 40c.
Etoile de France—Velvety crimson, centre red cerise.
Gruss au Teplitz—Deep scarlet, shading to glowing crimson, large and fragrant.
J. B. Clark—Deep scarlet, heavily shaded with blackish-crimson; strong grower, producing large flowers.
Kaiserin Augusta Victoria—Soft, pearly white, beautifully formed fragrant flowers, on long, graceful stems. Each 40c.
Killarney—Exquisite shade of deep shell pink, lightened with silvery pink; very long buds. Each 40c.
La France—Delicate silvery rose, fragrant, very popular.
Lady Ashtown—Pale rose, shading to yellow at base of petals. Each 40c.
Lyon Rose—New—Shrimp pink, edges coral-red, shaded chrome yellow. Hardy. Each 65c.
Mme. Abel Chatenay—Carmine-rose, shaded with salmon. Each 40c.

Killarney Rose.

Mme. Caroline Testout—Brilliant satiny rose, sweet, one of the best roses offered.
Maman Cochet—A strong grower, producing its large buds and flowers in great profusion; color deep rose-pink, inner side of petals silvery-rose; very double and exquisite. Each 50c.

HARDY HYBRID TEA ROSES—Continued.

Mme. Jules Grolez—One of the best; a beautiful satiny china-rose color, very attractive, large size, very double, and remarkably free flowering. Each 40c.

Madame Ravary—A beautiful orange-yellow color, large and globular. Each 40c.

Mildred Grant—Blush white, large size. Ea. 50c.

Sharman Crawford—A new, beautifully formed white rose, fragrant. Each 75c.

Pharisaer—Rosy-white, shading to soft salmon. Each 50c.

Prince de Bulgarie—Silvery flesh color, shaded with salmon rose. Each 50c.

Richmond—This is a most beautiful rose of brilliant crimson-scarlet. Cannot fail to give satisfaction.

White Maman Cochet—Similar to Maman Cochet, except that the flowers are white. Ea 50c.

Price, except where noted, each 25c, 4 for $1.20, 12 for $3.35, postpaid. By express, $3.00 per doz.

HYBRID TEA ROSES

One-year-old plants, for house culture. Each 25c, 5 for $1.00.

Clothilde Soupert—White and pink.
Etoile de France—Scarlet.
J. B. Clark—Dark red.
Kaiserin Augusta Victoria—White.
Killarney—Shell-pink.
Mme. Abel Chatenay—Carmine-rose.
Maman Cochet—Rosy-pink.
Mme. Ravary—Yellow.

NEW HARDY CLIMBING OR RAMBLER ROSES

American Pillar—A new single-flowering variety of great beauty, which appeals to everyone. The flowers are of enormous size, three to four inches across, of a lovely shade of pink, with a cluster of yellow stamens. These flowers are borne in immense clusters. Each 75c.

Climbing Baby Rambler—This grand acquisition to the list of Ramblers produces bright carmine flowers and blooms continually from June until frost sets in. With its glossy green leaves, and mass of bright flowers, it makes a most charming effect. This rose is practically the only real Everblooming Rose in existence. Each 75c.

Flower of Fairfield—Everblooming Crimson Rambler. Similar in habit to the well-known Crimson Rambler, but it keeps in bloom from early summer till frost sets in. Each 50c.

Gold Finch—A yellow rose, produced in large clusters, one of the best of its color yet introduced. Each 50c.

Hiawatha—The flowers are single and of a deep crimson, with petals shading to a pure white at the base. The foliage is of a light glossy green. The remarkable beauty and the striking effect of a plant in full bloom must be seen to be thoroughly appreciated. Each 40c.

White Dorothy—New—This beautiful new rose is the counterpart of the well known Dorothy Perkins, excepting in the color, which is pure white. Already becoming a universal favorite. Ea. 75c.

Veilchenblau—(Violet Blue Rambler)—This new variety is, in habit of growth, very similar to the Crimson Rambler. The plant is a vigorous grower, with glossy, deep green foliage, and the effect of the plant in full bloom is marvellous. The violet blue flowers, appearing in large clusters, are semi-double, of medium size, with showy, yellow stamens, making the plant most effective. Each 50c.

Tausendschon Rambler Rose.

NEW RAMBLER ROSES—Continued.

Tausendschon—This beautiful novelty surpasses all other climbing roses of this section, both in growth, foliage and beauty of blooms. The flowers appear in large clusters from the beginning of June till the end of July. Each individual measures about 3 inches across and is of a beautiful soft pink, later on changes into rose carmine. The plant is of vigorous growth, hardy, and an excellent variety wherever a strong climber is desired. Each 50c.

HARDY RAMBLER ROSES

Strong two-year-old field grown plants.

Baltimore Belle — Pale blush, variegated carmine, rose and white, very double flowers in clusters. Each 30c, 4 for $1.00.

Crimson Rambler—Entirely hardy. Flowers bright crimson, borne in trusses of 30 or 40 flowers each. Every garden should contain this magnificent rose. Each 30c, 4 for $1.00.

Dorothy Perkins—Very hardy, flowers beautiful shell pink, borne in large clusters. Each 30c, 4 for $1.00.

Lady Gay—Flowers of a delicate cerise pink, passing to soft tinted white. Vigorous grower. Each 35c, 4 for $1.20.

Philadelphia Crimson Rambler—This variety is identical with the Crimson Rambler except the color is brighter, deeper and more intense. Flowers very double. Each 35c, 4 for $1.20.

White Rambler—In habit of growth is identical with Crimson Rambler. Flowers snow white and sweetly scented. Each 35c, 4 for $1.20.

Yellow Rambler—Flowers light yellow, borne in large clusters and very sweetly scented. Each 35c, 4 for $1.20.

STANDARD OR TREE ROSES

These hardy roses are on stems 4 to 5 feet high.

Frau Karl Druschki—White.
Hugh Dickson—Crimson.
Mrs. John Laing—Pink.
Crimson Rambler—The popular Rambler rose.

Each $1.00 by express.

Crimson Baby Rambler—On stem 15 to 18 inches high, makes a most attractive plant grown either in the garden or in a pot. Each 75c by express.

TENDER CLIMBING OR PILLAR ROSES

Strong two-year-old field grown plants.

Climbing La France—The climbing variety of this popular pale pink rose. Each 35c.

Gloire de Dijon—The flowers are of a beautiful blush and yellow color, fragrant, continuous bloomer. Each 35c.

Marechal Neil—This superb climbing rose is, for beauty, fragrance and size, without a rival; bright, golden yellow. Each 50c.

Lord Penzance's Hybrid Sweet Briars—Should not be pruned except to remove undesirable branches. Strong two-year-old plants.

Flora McIvor—Pure white, flushed with rose. Each 50c.

Julia Mannering—Pearly pink. Each 50c.

Lady Penzance—Beautiful soft tint of copper.

Lucy Bertram—Fine deep crimson. Each 50c.

Common Sweet Briar—Valued on account of the delightful fragrance of their leaves. Produces pretty single pink flowers. Each 30c, 4 for $1.00

NEW BABY RAMBLER ROSES

Strong two-year-old field grown plants.

Jeanne d'Arc—White, large trusses, produced continuously from June till frost sets in.

Jessie—Bright cherry red, rich attractive color, produced in large trusses.

Orleans—Dark pink, centre slightly shaded white; free flowering, dwarf, and robust habit.

Each 60c, 3 for $1.50, postpaid.

MOSS ROSES

Salet, pink; **Blanche Moreau**, white; **Crested**, red. Each 30c, 3 for 75c.

VARIOUS ROSES

Strong two-year-old field grown plants.

Rosa Rugosa Rubra—Japan Rose Apple—Large open single flowers, followed by elegant crimson and golden fruit.

Rosa Rugosa Alba—Similar to the preceding, except the flowers are white.

Mme. Geo. Bruant—A hybrid Rosa Rugosa. A beautiful rose with pure white semi-double flowers.

Wichuriana—The Memorial or Cemetery Rose—Trailing growth, bears single white flowers in great profusion. Evergreen foliage, very hardy.

Universal Favorite—Also a good variety for use in cemeteries. Flowers beautiful single rose color.

Each 30c, 4 for $1.00; dozen $2.75, postpaid. By express, dozen $2.40.

BABY RAMBLER ROSES

Strong two-year-old field grown plants.

Crimson Baby Rambler (Mme. Norbert Levavasseur)—Produces trusses of bright crimson flowers very profusely. Splendid bedding variety.

Pink Baby Rambler (Mrs. Cutbush)—Forms large clusters of flowers of a beautiful bright pink color.

White Baby Rambler (Katherine Zeimet)—Pure white flowers, produced in large trusses.

Each 35c, 4 for $1.20; 12 for $3.35, postpaid. By express $3.00 per dozen.

HARDY CLIMBING VINES

Akebia Quinata — A Japanese twining plant, dark green foliage, fragrant rosy-purple flowers. Each 30c, 4 for $1.00.

Ampelopsis Veitchii—(Boston Ivy)—Grows rapidly, clings firmly to any wall, tree, etc. Leaves olive green, changing to scarlet in autumn. Each, 1 year, 20c, 3 for 50c, doz. $1.80; 2 year, each 30c, 3 for 80c, doz. $3.00; 3 year, each 40c, 3 for $1.10, doz. $4.00.

Chinese Wistaria.

Ampelopsis Engelmanni—(Engelman's Ivy)—One of the hardiest, best and quickest growing climbers for the north and northwest. Quite similar to the Virginia Creeper, but superior to it, the foliage being greater substance and not turning yellow during the early fall. The leaves color up beautifully in the fall. 2 year old, 35c, 3 for 95c, doz. $3.50.

Ampelopsis Quinquefolia—(Virginia Creeper or Woodbine)—Luxuriant in growth, with handsome foliage turning to bright crimson in the fall. Very hardy vine for covering old tree trunks, walls or fences. 2 year, each 25c, 3 for 65c, doz. $2.50.

Aristolochia Sipho—(Dutchman's Pipe)—A vigorous growing twiner, brownish colored flowers, resembling a Dutchman's pipe. Leaves light green and very large. Each 35c; large, each 75c.

Bignonia Radicans—Trumpet Vine—Useful for covering unsightly places; flowers are dark red, orange throats, large and trumpet-shaped. Ea. 30c

Celastrus Scandens—Climbing Bitter Sweet—Handsome large leaves, yellow, flowers in May and June and clusters or ornamental orange capsuled fruit in autumn. Each 30c.

CLEMATIS—Large flowered varieties. Very popular hardy climbers, remarkable for their beauty. Each, 2 year, 50c; 3 year, 75c. **Sieboldi**—Lavender, very fine. **Henryii** — Beautiful, creamy white. **Jackmanii**—Rich, velvety, violet purple. **Mme. Baron Vieillard**—Light rose, lilac shadings, handsome. **Duchess of Edinburgh**—Double white. **Ville de Lyon**—A splendid bright red variety.

Clematis Paniculata—Glossy green foliage, flowers are white, star-shaped, and borne in large clusters, fragrant. Each 25c, dozen $2.50. Extra strong, each 40c, dozen $4.00.

Clematis Coccinea—Bell-shaped flowers, bright coral red, blooms from June until frost. Each 50c.

Euonymous Radicans — Creeping Euonymus—A splendid evergreen creeping plant with pretty leaves; a rather slow growing but useful plant for covering low walls or stumps, or as an edging plant, for which purpose it can be kept closely clipped; green, variegated. Each 25c, doz. $2.50.

HONEYSUCKLE—Scarlet Trumpet — Produces scarlet flowers all summer. Each 35c.

Hall's Japan—Vigorous growth, white flowers, changing to yellow. Each 30c.

Belgian—Sweet Scented Monthly—Fine red and yellow flowers. Each 30c.

Japanese Kudzu Vine—A vine of most remarkably quick growth, leaves are large and of a bright green color, forming a dense shade. Flowers are purple and fragrant. Each 30c.

White Chinese Wistaria—Large drooping clusters of lovely pea-shaped flowers, sweet scented, it grows strong and high, makes a pretty leafy screen. Each 50c. Extra large plants, each $1.00.

Blue Chinese Wistaria—One of the most beautiful of the Wistarias. Produces large clusters of rich, violet-blue flowers, richly perfumed. Each 50c. Extra large plants, each $1.00.

HARDY EVERGREENS

Shipped with roots in balls of earth wrapped in burlap, except the Norway Spruce and American Arbor Vitae.

Abies Nordmanniana (Nordmann's Silver Fir)—Of symmetrical habit, with intensely dark, massive foliage, silvery beneath. 1½-2 ft., $1.00; 2-2½ ft., $2.00.

Juniperus Hibernica—(Irish Juniper)—An erect form with upright branches growing very close to the main stem, giving it quite a distinct column appearance. 1½-2 ft., $1.00; 2-2½ ft., $1.50.

Juniperus Virginiana—(Red Cedar)—Tapering form, bright, rich green foliage. Useful for ornamental planting. 1½-2 ft., $1.00; 2-2½ ft., $1.50.

Picea Excelsa—(Norway Spruce)—The most generally used of evergreen trees. Useful for screens and windbreaks on account of its rapid growth. It makes a tall tree, and, with room to develop, is of pyramidal, symmetrical growth, its lower branches sweeping the ground. 1-1½ ft., 20c; doz. $2.00; 2-2½ ft., 30c, doz. $3.00.

Picea Pungens Glauca Kosteri—(Koster's Blue Spruce)—This is the most remarkable and conspicuous of all the conifers for ornamental planting. Owing to its magnificent, vivid bluish coloring, it constantly attracts the attention of all lovers of the beautiful; perfectly hardy. 1½-2 ft., $2.00; 2-2½ ft., $3.00; 5 ft., $10.00.

Koster's Blue Spruce.

Pinus Cembra (Swiss Stone Pine)—Of thick, regular growth, foliage resembling the White Pine, and quite silvery. 1½-2 ft., $2.00.

Pinus Mughus (Dwarf Mugho Pine)—Of the highest value where a low, dense spreading growth is desired. Very dark foliage and extremely hardy. 1½-2 ft., $2.00.

Pinus Parviflora Glauca—Very distinct glaucous form of the well-known species Parviflora. Spreading, well covered branches. 1½2 ft., $2.00.

HARDY EVERGREENS—Continued.

Pinus Strobus (White Pine)—A well grown individual tree, with its light silvery foliage, is always ornamental. In age this Pine is most impressive. Useful for hedges, as it can be clipped like a shrub. 1½-2 ft., $1.00.

Retinispora filifera (Thread-branched Japanese Cypress)—Slender, string-like, bright green foliage drooping in long filaments. Graceful and pyramidal habit. 1½-2 ft., $1.50; 2-2½ ft., $2.00.

Retinispora plumosa (Plume-lke Japanese Cypress—One of the hardiest and best. Delicate glaucous foliage. 1½-2 ft., $1; 2-2½ ft., $1.50.

Retinispora plumosa Aurea—A striking, fine form of the above, and very hardy. Brilliantly golden throughout the season. One of the most desirable. 1½-2 ft., $1.00; 2-2½ ft., $1.50.

Retinispora squarrosa (Veitchii)—An exquisite Japanese form with steel-colored foliage, which is very fine and feathery. 1½-2 ft., $1.00; 2-2½ ft., $1.50.

Taxus Cuspidata Brevifolia—(Japanese Yew)—A low, dense growing shrub, with foliage dark shining green, tawny yellow beneath. Fruit bright scarlet. 1½-2 ft., $2.00.

Thuya occidentalis (American Arborvitae)—Of conical form and rapid growth. Used largely for hedges. 2-2½ ft., each 35c, dozen $3.50.

Thuya Lutea, Geo. Peabody—A dwarf, dense growing golden variety, holding its color all summer. One of the best for general culture. 1½-2 ft., $1.00; 2-2½ ft., $1.75.

Thuya Vervaeneana—A fine, hardy variety in which the green is singularly intermixed with a predominating shade of golden yellow. 1½-2 ft., $1.25; 2-2½ ft., $1.75.

Tsuga Canadensis (Hemlock Spruce)—A graceful tree, with loose, open growth, and yew-like foliage. It can be kept in dense form if pruned. Prefers moist soil. 1½-2 ft., $1.00; 2-2½ ft., $1.50.

HARDY SHRUBS

These can be mailed—but when ordered by express we send extra large plants. We advise our customers to have shrubs forwarded by express whenever possible.

Althea—Rose of Sharon—Unsurpassed for freedom of bloom or range of color, large, handsome camellia-like flowers. Double pink, double white, double blue and double red. Each 30c.

Almond, Flowering—Early flowering shrub, covered with beautiful blossoms. **Double White, Double Pink.** Each 40c.

Azalea Mollis—A beautiful species from Japan, with large flowers of various shades of yellow, orange, carmine, etc., Bushy plants full of buds. Each 75c.

Barberry—Suitable either as single specimens or hedge plants, of neat, compact growth; **Purpurea**, foliage and fruit violet purple; **Thunbergi** or Japanese, beautiful glossy green foliage and crimson berries; **Vulgaris**, green foliage and crimson berries. Each 20c; dozen, by express, $2.00. Large size, each 30c; dozen, by express, $3.

Calycanthus Floridus—Sweet Shrub—Double chocolate colored, strawberry scented flowers. Each 30c.

Caragana Arborescens—Pea Tree—A very hardy shrub, with yellow, pea-shaped flowers in May. Each 25c.

Cerasus Ovium flore pleno—Large double flowering cherry. A rapid grower, producing a mass of white blossoms, which entirely cover the branches. 3 to 4 feet, 50c.

Crataegus (Hawthorn) **alba plena**—Double white flowers. 4 ft., 75c.

Crataegus, Paul's Scarlet—Rich brilliant scarlet flowers, best of all. 4 ft., 75c each.

HARDY SHRUBS—Continued.

Chorchorus—Japonica flore plena—Handsome double yellow rose shaped flowers. Each 30c.

Cornus mascula (Cornelian Cherry)—Bright yellow flowers in spring. **Spathi** (gold-leaved Dogwood); **Sanguinea**, the well known. red branched Dogwood. Very conspicuous in winter when the branches are blood-red. Each 35c.

Cydonia Japonica—Scarlet Japan Quince—Bright effective scarlet flowers, suitable for ornamental hedging. Each 30c, doz., by express, $2.50.

Deutzia—Showy, very ornamental. **Gracilis**, dwarf white; **Candidissima fl. pl.**, double white; **Crenata rosea fl. pl.**, double pink; **Crenata**, single white; **Pride of Rochester**, double white, tinted rose. Each 30c.

Eleagnus Longipes—Japanese Oleaster—A desirable shrub, with light foliage, silvered on the under surface. Abundant blossoms followed by orange colored fruit; very attractive all summer. Each 30c.

Exochorda Grandiflora—(Pearl Bush)—Almost covered with racemes of white flowers. Each 30c.

Forsythia—(Golden Bells)—**Fortunei**, handsome trumpet-shaped yellow flowers; **Suspensa**, drooping habit, yellow flowers. Each 30c.

Hydrangea Paniculata Grandiflora—Most popular, large panicles of pure white flowers, turning to pink. Each 25c; strong, each 40c. **Tree or Standard** on hardy stem, 4 feet high, each $1.00 by express. **Arborescens alba grandiflora** (Snowball Hydrangea—a splendid new variety with large pure white flowers. Each 50c.

Ligustrum (Privet). **Amurense** (Japanese Privet)—Large, oblong, glossy green foliage, half evergreen, thoroughly hardy. A variety of sterling merit. Each, 25c; doz. $2.00; per 100, $10.00 by express. **English**—The ideal hedge plant. Quick growing, dark green shiny leaves, very hardy. Each 20c., dozen $1.25, postpaid; per 100, $6.00, by express.

Lonicera (Bush Honeysuckle). **Tartarica Alba**—Creamy white flowers. **Tartarica Rosea**—Bright red flowers, Each 30c.

Magnolia—Large Flowering—We offer the varieties best adapted to our climate, and that have proved hardy in Hamilton. **Soulongeana**—large flowers, white, with purple at base of petal. **Lennei**—White flowers, outside petals deep crimson. **Alexandrina**—Beautiful shade of pink. **Speciosa**—Large white flowers. Strong plants, 4 to 5 ft. high, well budded. Each $3, by express.

Malus (Fragrant Flowering Crab). **Angustifolia** (Bechtel's Double-flowering Crab)—The flowers are of immense size, of a beautiful pink color, highly fragrant. They are very double and resemble pink roses. Each 60c. **Parkmani**—The buds are carmine in color, the open blossoms are semi-double; the tree, when in bloom, presents a most gorgeous appearance. Each 60c.

Philadelphus (Mock Orange) **Coronarius**—Flowers pure white and fragrant. ..**Coronarius Aurea**—Foliage golden yellow, flowers white. **Dianthiflorus Plenus**—Double white. **Grandiflorus**—Large flowering white. Each 30c.

Prunus Triloba—(Double Flowering Plum)—Delicate pink flowers. **Pissardi**—(Purple Leaved Plum)—Beautiful foliage, flowers small white. Each 50c.

Rhus Cotinus—(Purple Fringe or Smoke Tree)—A low, shrubby tree, covered in mid-summer with large clusters of feathery flowers, giving the appearance of a cloud of smoke or mist. Ea. 35c.

Rubus odorata (Flowering Raspberry)—All summer. A noble plant, with leaves 6 to 12 inches broad, and pink-purple blossoms, 2 inches across, in clusters, which continue to bloom all summer. Very fragrant. One of the most useful plants for partially shaded places. Each 35c.

Rhododendron—Hardy varieties, good assortment of colors, well budded; 2 feet. Each $1.50 by express.

Ribes aureum (Missouri Currant)—May. Early yellow flowers in showy racemes. Glossy foliage, which gives bright summer tints. **Sanguineum** (Crimson-flowered Currant) — July. Carmine flowers of fine color, with handsome leaves. Each 35c.

Robinia hispida (Rose Acacia)—Is valued for its elegant clusters of rose colored flowers, which expand towards the close of May, and continue for several weeks. The branches resemble a moss rose. Each 35c.

Sambucus aurea (Golden Elder)—A large, golden-leaved form. Requires the full sunlight, when it is one of the best of yellow shrubs. Ea 30c

Spiraea Van Houttei.

Spiraea—Excellent shrubs of easy culture. **Anthony Waterer**, light crimson; **Billardi**, pink, flowers from June till fall; **Callosa Alba**, dwarf, white flowers; **Prunifolia** (Bridal Wreath), double white; **Van Houttei**, splendid, early, large clusters of white flowers. Each 30c.

Symphoricarpus racemosus (Snowberry)—July. Bushy form, pink flowers in summer, white waxy berries in autumn. **Vulgaris** (Indian Currant)—Low growing, spreading, graceful habit; foliage attractive; noteworthy from the beauty of its clusters of red berries. Each 30c.

SYRINGA—The Lilacs. Double Named Lilacs—Charles Joly—Very dark reddish-purple. **Emile Lemoine**—Rosy lilac, very large. **Leon Simon**—Violet color, very desirable. **Obelisque**—A fine white variety. **President Carnot**—Pretty lilac tint marked in centre with white. Each 75c.

Single Mixed Lilacs. Congo—Dark purplish violet, very large bloom. **Grandiflora—Purplish** lilac, large. **Ludwig Spaeth**—Dark purplish red. **Persica Alba**—Persian white, slightly tinted rose. **Rothomagensis**—Red Persian, large panicles. **Rubra de Marley—Purplish** red, splendid. Ea. 50c.

Vulgaris—Common Lilac. Vulgaris Alba—Common white lilac. **Each** 35c.

Tamarix (Tamarisk)—Strong, slender growing, irregular shrubs, with feathery foliage and small, delicate flowers, borne profusely on gracefully bending branches. Each 30c.

Viburnum, or Snowball. Opulus (Common Snowball)—Very showy, each 30c. **Plicatum** (Japanese Snowball)—Foliage dark green, white flowers, the best variety of Snowball, each 50c.

Weigelia—Vigorous growth and adapted to any good soil. White, pink, red and variegated. Each 30c.

HARDY PERENNIAL PLANTS

The most desirable varieties for Canadian Gardens.

Where price is 15c each, 3 plants are supplied for 40c, dozen $1.50.
Where price is 20c each, 3 plants are supplied for 50c, dozen $2.00.

Perfectly hardy anywhere, and thrive and bloom year after year with little care after once well planted

Achillea Ptarmica fl. pl. The Pearl—Splendid for summer cut bloom. All summer; 2 feet. Double white. Each 15c.

Alyssum Saxatile—Showy yellow flowers. May and June; 1 foot. Each 15c.

Anemone—August to November; 2 ft. **Prince Henry**—Semi-double, dark red. **Whirlwind**—Double white. **Queen Charlotte**—Double pink. Each 20c.

Anchusa Italica—Dropmore Variety—All summer; 5 ft. Pretty gentian blue flowers. Each 25c.

Aconitum (Monkshoood)—3 to 4 ft. **Autumnale**—Deep blue. August to September. Flowers produced in large spikes. **Fischeri**—Pale blue. September to October. **Napellus**—Deep purple-blue. August to September. Each 15c.

Aquilegia — (Columbine) — Excellent border plants; 2 feet. May and June. **Coerulea**—Violet and white. **Chrysantha**—Yellow. **Glandulosa Major**—Lilac blue, tipped white. **Skinneri**—Red and yellow. Each 20c.

Arabis Alpina—Evergreen foliage, white. May. 6 inches. Each 15c.

Armeria Maritima—(Sea Pink)—June; 12 inch. Rose color. Each 15c.

Asters, Hardy — (Michaelmas Daisies) — Midsummer till frost; 4 to 5 ft. **Novæ-Anglæ**—Purple; **Novi-Belgii**—Robert Parker, pale lavender; **Snowflake**—White, yellow centre. Each 15c.

Bellis Perennis—(English Daisy)—Exquisite little perennials. Double white and double pink. Each 10c.

Bocconia cordata (Plume Poppy)—White; 3 to 5 ft. July and August. Good for sub-tropical effects. Each 15c.

Boltonia—Very showy, large single Aster-like flowers. **Latisquama**—Pink; **Asteroides**—White, 5 feet. July to October. Each 20c.

Campanula—(Bell Flower). **Persicifolia**—2 ft., white, blue. **Carpatica**—1 ft., white, blue. **Pyramidalis**—4 ft., blue. **Glomerata Dahurica**—Purple. July-September. Each 20c.

Chrysanthemum Uliginosum—Large white flowers, yellow centre, good for cut flowers; 4 feet. August-September. Each 15c.

Clematis erecta—White, 3 ft. June and July. A great bloomer; fragrant. Each 25c.

Coreopsis Lanceolata—Beautiful border plant. Golden yellow; 2 feet. June-October. Each 20c.

Delphinium—(Larkspur)—Very attractive. **Dark Blue**—Double and single. **Pale Blue**—Double and single. **Formosum**—Dark blue, 2 to 3 feet. June-September. Each 20c. **Belladonna**—Sky blue. Each 25c.

Dianthus barbatus (Sweet William). In separate colors or mixed. 1 to 1½ ft. July. Ea. 15c.

Dianthus—(Hardy Garden Pinks)—**Mrs. Sinkins**—White clove. **Homer**—Red clove; 1 ft. June-July. Each 20c.

Dicentra spectabilis—(Bleeding Heart)—Pæony-like foliage, pink heart shaped flowers; 2½ feet. May-July. Each 20c.

Dictamnus fraxinella (Gas Plant)—Red; 2 to 3 feet. May and June. Very showy and useful for cutting. Each 15c.

Digitalis—(Foxglove)—An old-fashioned perennial of easy culture; 2 ft. July-August. Each 15c.

Doronicum excelsum—(Leopard's Bane)—Yellow. April-May. 1½ ft. Each 20c.

Eulalia—Very graceful, tall, ornamental grass, 5 to 6 feet high. Japonica Variegated, Japonica Zebrina. Each 25c.

Funkias, or Day Lilies—Handsome foliage and flowering plants; 18 inches. August-September. **Grandiflora**—Large white flowers, each 25c. **Coerulea**—Blue, each 15c.

Gaillardia Grandiflora—Very showy large flowers, assorted colors; 2 ft. June-October. Each 20c

Gypsophila Paniculata—Minute white flowers, splendid for cutting; 2½ ft. July-Aug. Each 15c. **Paniculata fl. pl.**,—Double white. Each 30c.

Double Paeony.

Helenium — (Sneezewort) — September-October. **Autumnale-Striatum**, 5 ft., reddish brown and yellow. **A. Superbum**, 7 feet, yellow. **Hoopesii**, yellow; 1 to 3 ft. May and June. Earliest and very showy. Each 15c.

Helianthus — (Perennial Sunflower) — 5 feet. August-October. **Sparsifolia**—Large, graceful single flowers of a deep yellow. **Lactiflorus**—Fine single yellow flowers, brown centre. **Multiflorls**—Double dark golden yellow. . . **Rigidus**—Golden yellow. Each 15c.

Heliopsis Pitcherianus—(Orange Sunflower)—Flowers are long stemmed, large, deep yellow; 7 ft. July-September. Each 15c.

Hemerocallis—(Yellow Day Lily)—Fragrant lily shaped flowers. June-July. **Dumortieri**—2 feet, orange yellow. **Flava**—3 ft., lemon-yellow. **Fulva**—3½ ft., bronzy orange. Each 15c.

Hibiscus—Crimson Eye—August-October. 4 ft. Very large, beautiful flowers, white, crimson at centre. Each 20c.

HOLLYHOCKS—6 to 8 ft. July-September. Great favorites. Flowers large and double. White, rose, yellow, crimson and scarlet; field grown roots. Each 20c. **Allegheny**—Fringed, semi-double and single. Each 20c.

PERENNIALS—Continued.

Iris — (Japanese) — Enormous flowers, mixed colors; 2 ft.; July. Each 20c. Named vars., 25c.

Iris—(German)—2 ft. May-June. Beautiful flowers. Mixed. Each 10c, dozen $1.00. Named varieties, each 15c

Incarvillea Grandiflora—Beautiful flowers like the Gloxinia. Each 25c.

Lysimachia Clethroides—(Loose Strife)—Pure white flowers; 2 ft. July-September. Each 15c.

Lychnis Chalcedonica — Jerusalem Cross — Single intense scarlet flowers, very showy; 4 ft. June-August. Each 15c.

Monarda Didyma—(Oswego Tea). Cambridge Scarlet—New—Cardinal red, large, showy flowers; 3 ft. July-Sept. Each 20c.

Myosotis—(Forget-Me-Not)—Pretty blue flowers; 1 ft. May-August. Each 15c.

Oenothera Youngi—(Evening Primrose)—Fine border plants; 2 ft. May-August. Large primrose yellow. Each 20c.

Platycodon—(Chinese Bell Flower) — White, blue; 1½ ft. May-August. Each 20c.

PAEONIES—Double—Exceedingly effective, the diversity of color, profusion and duration of bloom, handsome massive foliage and easy culture render them most popular. May-June. 2 ft.

Abantis—Purple semi-double.
Acacus—Bright rosy lilac.
Agida—Dark red.
Augustin d'Hout—Dark reddish pink, good. 50c.
Cabrera—Purple crimson.
Delachii—Rich deep purple.
Delicatissima—Clear delicate pink, large.
Duchess de Nemours—Large pure white,fine. 40c
Duke of Wellington—Very large, sulphur-white, fragrant.
Festiva Maxima—The best large white. Ea. 50c.
Festiva Alba—A fine white variety.
Marie Lemoine—Extra large, ivory white. 60c.
Ne Plus Ultra—Bright rose.
Officinalis Rosea—Early rose pink.
Officinalis Rubra—Early crimson.
Officinalis Alba—Early white.

Prices, except where noted, each 35c, doz. $3.50.

Double Paeonies in Color.
Each 25c, dozen $2.50.
Red, pink, purple, white and bicolor.

Single Paeonies.
Beautiful flowers, white, rose and red. Each 50c
Postage 5c each on Paeonies extra.

Phlox, Hardy—One of the finest out-door plants. July to September; strong field grown plants.

New Varieties. Each 25c, dozen $2.50.

Elizabeth Campbell—Very bright salmon-pink, with dark red eye.
Frau Anton Buchner—The finest white yet introduced; very large trusses.
Rosenberg—Bright reddish violet, with blood red eye, large flower and truss.

Standard varieties. Each 20c, dozen $2.00.

Albert Ceteau—Violet rose, dark carmine centre.
Aurora—Brilliant rose, large trusses.
Beranger—Light rose, changing to white.
Brilliant—Clear blood red.
Coquelicot—Orange scarlet.
Crepuscule—Silvery mauve, crimson centre.
Eclaireur—Bright purplish red, large flowers.
General van Heutiz—Brilliant salmon red, white centre.
Jules Cambon—Deep rose-pink, white centre.
Meteore—Pink with light centre.
Mounet Sully—Orange scarlet, with purple eye.
Wm. Ramsay—Dark purple.

Phlox—Mixed varieties, 15c each, $1.50 dozen.

Phlox Subulata — (Moss Pink) — Spreading stems, suitable for borders; May-June, 8 inches; white and rose. 15c each.

Physostegia—(False Dragon's Head) — Very effective, blue, white. Aug.-Sept. 3 ft. Ea. 15c.

Pyrethrum—Large variety of colors, like a large single Chrysanthemum. June; 2 ft. Each 15c.

Double Named—Each 40c.

Poppy—Iceland—Large flowering, handsome, red, white and yellow. Each 15c.

Poppy—Oriental—Beautiful large flowers, separate colors. 3 ft. June-July. Each 20c.

Rudbeckia—(Double Golden Glow)—Splendid plant, good for cut flowers. July to Sept.; 6 ft. Each 15c.

Spirea—(Meadow Sweet)—Ulmaria—Feathery double white blossoms. Palmata—A beautiful variety, crimson flowers. June to Aug.; 3 feet. Each 20c.

Statice Latifolia—(Sea Lavender)—Blue flowers. July-September; 2 ft. Each 20c.

Shasta Daisy—Very large white flowers; 2 ft. June-July. Newest varieties. Each 20c.

Violets—Hardy English, blue. Each 20c.

Yucca — Adam's Needle — An effective plant, creamy white flowers. July to August; 3 feet. Each 20c.

SMALL FRUITS—Choice Collection.

CURRANTS.

	Ea.	Doz.	100
Fay's Prolific, red	20c	$1 50	$8 00
Black Naples	20c	1 50	8 00
Red Cherry	20c	1 50	8 00
White Grape	20c	1 50	8 00

RASPBERRIES.

	Ea.	Doz.	100
Herbert, crimson, hardy, heaviest yielder	25c	$2 50	
Superlative, large crimson, heavy yielder	15c	1 50	$6 00
Cuthbert, large, rich crimson	15c	1 25	5 00
Columbian, large, red, productive	15c	1 25	5 00
Golden Queen, yellow, large	15c	1 25	4 25
Gregg, Black Cap, one of the best	15c	1 25	5 00
Cumberland, grand blackcap	15c	1 25	5 00

RHUBARB ROOTS—See page 26.

ASPARAGUS ROOTS—See page 7.

SAGE ROOTS—Each 10c, 3 for 25c.

GRAPES.

	Ea.	Doz.
Concord—Black, large	20c	$2 00
Lindley—Red, fine quality	20c	2 00
Niagara—Splendid white	20c	2 00
Worden—Black, splendid	25c	2 50

GOOSEBERRIES.

Strong, two-year-old plants.

Downing—Large green, prolific	25c	2 50
Industry—Red, productive, English.	25c	2 50
Lancashire Lad—Red, large, English	30c	3 00
May Duke—Red, fine, English	30c	3 00
White Lion—White, prolific, English	30c	3 00

STRAWBERRIES.

Abington—Late, large fruit, crimson, flesh whitish-pink.
Cardinal—Large, bright color, very early.
Clyde—Early, enormous size, bright scarlet, productive.
Bederwood—Early, sweet, large crimson color.
Wm. Belt—Medium, large, firm and fine quality. A good variety.
Brandywine—Late, fine, immense size.

Price, 30c doz., $1.50 per 100 postpaid.
Price, $1.00 per 100; $6.00 per 1000 by express.

FERTILIZERS

Pure Bone Meal for fertilizing purposes. Our Pure Bone Meal is a very superior and carefully prepared fertilizer. A machine that will sow plaster will also sow the above. In Turnip culture it is particularly recommended. Apply at the rate of ten bushels (600 lbs.) per acre, and drill in with the seed. Highly recommended for lawns, etc. 6 lbs. 25c, 25 lbs. 80c, $2.50 per 100 lbs., $4.50 bag of 200 lbs., $40.00 ton.

Gypsum or Pure Land Plaster is white. It has great power in seizing on the escaping ammonia and giving it to plant life. Gypsum is the cheapest, and especially when used in conjunction with manure, one of the most powerful fertilizers in nature. It also attracts moisture. It is used largely on all crops, and it is of great benefit to lawns, as well as to every sort of fruit trees, vegetables or flowers. Sow early in the spring and autumn, when verdure is moist. Best effect to sow light and often. In good linen bags containing 150 lbs., 75c per bag, $9.00 per ton.

Nitrate of Soda—A powerful fertilizer, containing a large percentage of nitrogen, the property which soil most requires. Per lb. 10c, 15 lbs. $1, 100 lbs. $4.50.

Nitro Culture—See page 40.

Peruvian Guano—From the large amount of ammonia and phosphate contained in pure Guano, it is one of the most powerful stimulants for plants and growing crops. Before using it should be made fine, and may be mixed with loam, charcoal, dust or plaster. It should not be mixed with lime or ashes; mulch or clay also are not suitable. It should not come in contact with growing plants. As it is nearly soluble in water, it is most easily converted into liquid manure, and when applied in that form its effects are almost immediate. One pound of Guano to twenty gallons of water will be sufficiently strong for a single watering each week, which is more efficient than repeated waterings with weaker solutions. Per lb. 10c, 25 lbs. $1.75, 100 lbs. $5.00.

Pulverized Sheep Manure—A natural manure, most nutritious for plants; effect immediate and lasting. Excellent for mixing with soil for greenhouse plants (one part manure and six parts soil). Strewn over and dug into the garden, or placed directly in drills or hills, it promotes a rapid, steady growth until maturity. It makes safe and quick liquid manure; one pound to five gallons of water, can be used daily, if necessary, with safety. 1 lb. 10c, 5 lb. carton, 25c, 12½ lbs. 50c, bag of 100 lbs. $2.00; 5 bags for $8.75.

SPECIAL MANURES FOR HOUSE AND GARDEN PLANTS.

Peruvian Guano—A valuable plant food. See above for particulars. Directions on package. In packages at 15c, postpaid 30c; and 25c, postpaid 70c.

"BONORA," Nature's Plant Food

Bonora—Good for flowering plants of all kinds, lawns, shrubbery, vegetables of every variety, grape vines, fruit and shade trees, and for everything pertaining to plant life. It is, in fact, to plant life what blood is to human life. It is a boon to the early vegetable grower, maturing the crop two or three weeks earlier, besides improving the quality and increasing the quantity. It will greatly enrich the soil wherever applied.

Put up in dry form, as follows: Small package, making 7 gallons, 25c, postpaid 35c; 1 lb., making 28 gallons, 50c, postpaid 75c; 5 lbs., making 140 gallons, here, $2.50.

Circular and further information on application.

Directions for Use—It should be put in a wooden vessel and kept where animals cannot drink it. Sprinkle it on the plant, using a sufficient quantity to soak through the earth and reach the roots. Give two applications one week apart, and you can then judge whether another is necessary by the appearance of the plants.

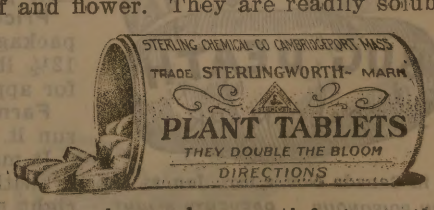
Treated with "BONORA." | Treated with Fertilizer

Both were the same size before treatment

Sterlingworth Plant Tablets

A New Scientific, Odorless Invigorator for House Plants and Vegetables

Sterlingworth Plant Tablets are a safe, clean, odorless, concentrated plant stimulant in tablet form. They contain those ingredients in their proper proportions that are necessary for healthy plant life. Their use promotes a healthy, vigorous growth of branch, leaf and flower. They are readily soluble in water and contain an insect-driving ingredient which keeps injurious bugs and worms from the soil. Renewing of plant soil is made less important and is less frequently needed when these tablets are used. They build up the soil and supply scientifically those elements necessary to healthy growth. They are much more effective than what is commonly known as "liquid manure," which contains a large percentage of waste matter which pollutes the soil, accompanied by a disagreeable odor. Try one package. When you learn how satisfactory they are you will buy more. They double the bloom. Prices: Large size, sufficient for 35 plants three months, 25c, postpaid 30c; trial size, sufficient for 10 plants three months, 12c, postpaid 15c.



CLIMAX LAWN SAND—KILLS ALL WEEDS ON LAWNS.

We highly recommend this remarkable preparation, which absolutely destroys dandelions, plantains, moss, chickweed, and other weeds in lawns. It will not hurt the grass, but just the reverse, as it has some of the properties of a fertilizer. Applied with the hand any time during the summer months. Write for circular with directions and testimonials. Extensively tried and proved the past season. Price—3½ lb. can, for 150 sq. ft., 60c; 7 lb. can, for 250 sq. ft., $1.00; 14 lb. can, for 500 sq. ft., $1.75; 28 lb. keg, for 1000 sq. ft., $3; 56 lb. keg, for 2000 sq. ft., $5; 112 lb. keg, for 4000 sq. ft., $8.

PREPARATIONS FOR THE DESTRUCTION OF INSECTS

Slug Shot—(Hammond's)—It is in the form of an impalpable powder, and is fatal to insect life in every form in which they are injurious to vegetation. It will also be found to be an excellent fertilizer, as plants upon which it is used will be found to grow and look finer than those upon which it is not. It contains nothing injurious to domestic animals and does not deteriorate by age. On low growing plants it should be dusted on with a very fine sifter. Canisters, with perforated top, filled with Slug Shot, 25c each, postpaid 45c. In 5 lb. packages, 45c; 10 lb. packages, 75c; in barrels of about 225 lbs., 6c lb. here.

Grape Dust—(Hammond's)—An excellent article for killing as well as preventing mildew, mould or rust mites on roses, grape vines and other plants and trees affected by the same. More effectual and cheaper than sulphur. Required to be applied reasonably frequent. In 5 lb. packages, 50c; in 100 lb. kegs, $7.00 here.

Whale Oil Soap—Prepared with Tobacco—A splendid article for preserving flowers, shrubs, vines, and particularly rose bushes, from the destructive effect of slugs, grubs, worms, etc.; also good for scale. 1 lb. box, 25c; postpaid, 20c per box extra.

Nikoteen Aphis Punk—A special preparation of nikoteen for burning in greenhouses to destroy green and black fly, thrip, etc. Box of 1 dozen rolls, 80c; postpaid 90c.

No. 1 Paris Green—We hear a great many complaints about this article, which is largely used, and it should be A1 for spraying and kindred uses. We have received a stock of the very best we can procure, which we offer as follows: In bulk, 35c per lb.; in ½ lb. packages, 25c each; in 1 lb. packages 40c each. If required by mail, add 20c per lb. for postage.

Sulpho-Tobacco Soap—Destroys Cabbage, squash and potato bugs, currant worms, lice, green fly, mealy bug, red spider, etc. Sure death to all plant insects indoors and out of doors. Of special value for spraying shrubs, fruit trees and vines. Produces luxuriant roses if bushes are sprayed liberally before blooming time; a splendid wash for dogs and other animals. 3 oz. cake makes 1½ gallons prepared solution. 12 cents, postpaid 15 cents. 8 oz. cake makes 4 gallons prepared solution. 25c, postpaid 35c. 10 lb. cake makes 80 gallons prepared solution. By express, $3.00.

Free with every order of Sulpho-Tobacco Soap, The Window Garden, a booklet by Eben E. Rexford, on the cultivation of plants and the extermination of insects.

Nikoteen—A liquid insecticide for use of florists and gardeners. It is composed of that element in tobacco which gives it is value and nothing else. This is without doubt the best remedy for most of the insects that attack plants and flowers. Circulars giving full particulars and mode of treatment supplied. Price $2.00 per pint bottle here. Small bottles 50c each, or 55c postpaid.

Church's Potato Bug Finish—It is recommended to destrop all insect life which feeds on the leaves of plants, shrubs, bushes, etc. Use 25 lbs. to the acre, and dust it on with a fine sieve. Apply after a rain or after a dew in the morning, so that it will adhere to the vines. In 1 lb. canisters, 10c each; 10 lb. lots, 25c; 25 lbs. 50c; 100 lb. lots, $1.75; barrel of 300 lbs., $4.50 here.

Eureka Weed Killer—Truly a gardener's friend, applied when the ground is moist, so that it can get at the roots. It will destroy all weeds, moss, etc., on gravel paths, drives, stable yards, etc., and keep them under the whole season. In tins, contents of one of which, mixed with water, is sufficient for 100 square yards of path. Directions on tins. Price, $1.25 per tin here.

Hughes' Fir Tree Oil—This has proved to be one of the most reliable for destroying red spider, green fly, mealy bugs, scale, ants, thrip, onion fly, caterpillar, slug, blight, etc.; also used much as a dog wash. It is put up in bottles with directions for its use. Small bottles 25c, postpaid 35c; good size bottle, 50c; large bottle 75c here.

Kills the Bugs. Feeds the Plant.

Pat. in Canada Nov. 2, 1897, Jan. 25, 1900
NON-POISONOUS. PREVENTS BLIGHT.

BUG DEATH

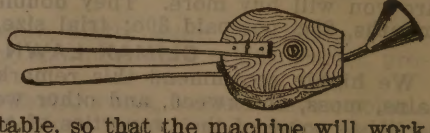
This insecticide and Plant Food combined has been on the market for 10 years, and its sales have shown a large increase each year. We can say to our customers that we give Bug Death our fullest endorsement. While the first cost to kill the bugs on an acre of potatoes is rather more than the arsenical insecticides, the results at harvesting time are entirely satisfactory, and where practical tests have been made the **extra yield of marketable potatoes has more than paid the entire expense. It is non-poisonous,** which makes it perfectly safe to use on all plants or vines. Very beneficial results are obtained by using Bordeaux Mixture in connection with Bug Death, and they can be mixed and sprayed on the vines at the same time, with any of the spraying machines on the market for that purpose. **Bug Death prevents blight. Order early.**

Price—Put up in packages as follows, with trade mark on each package: 1 lb. package, 15c; 3 lb. package, 35c; 5 lb. package, 50c; 12½ lb. package, $1.00; 100 lb. package, $7.00. Perfection Shaker for applying Bug Death, 65c. Dickey Duster, 25c each here.

Farnham Dust Motor—Will do an acre in 30 minutes—a boy can run it. Write for description. Price $15.00 here.

It may be applied dry with the Perfection Shaker, Dickey Duster, or with a small bag made from burlap or gunny cloth having the right mesh, also mixed with water and sprayed as above stated.

ELECTRIC INSECT EXTERMINATOR.

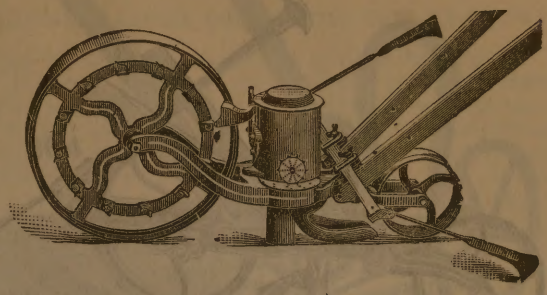


It is the most economical device for effectually applying Paris Green or other powder with little labor. The powder is put in the machine through the opening in the side, and when the handles are worked the force of the compressed air expels it so that it is spread evenly over the plants. The handles are adjustable, so that the machine will work upwards under the leaves of the plants. It only requires 1 lb. of Paris Green to do an acre of potatoes; no water required. $1.25 each, or $1.50 postpaid.

LABOR SAVING IMPLEMENTS

MATTHEWS' NEW UNIVERSAL MODEL GARDEN DRILL. No. 17.

With New Seed Cut-off and Improved Markers.

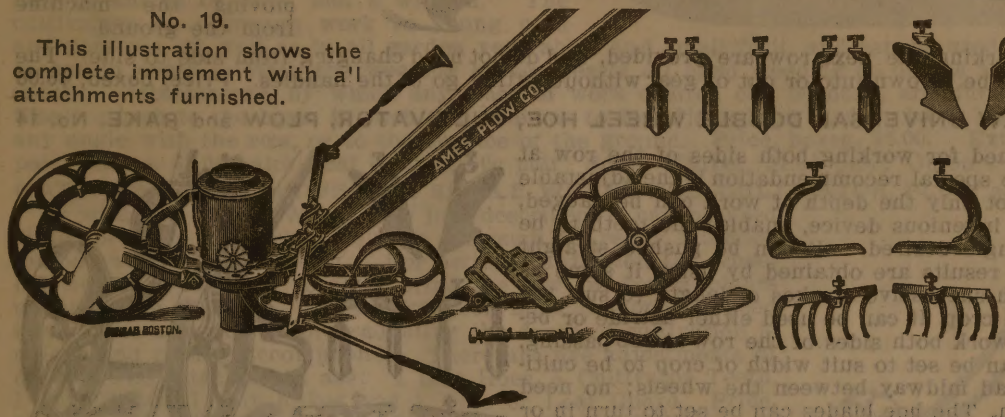


Is everywhere acknowledged to be the standard drill of America. It has been many years in use, and its largely increasing sale is the best evidence of its merit. It is designed for use in field or garden. When in operation it opens the furrows, drops the seed accurately at the desired depth, covers it, and lightly rolls the earth down over it, and at the same time marks the new row. It will sow Beet, Carrot, Onion, Turnip, Sage, Spinage, Sorghum, Peas, Beans, Fodder Corn, Broom Corn, etc., with a certainty, regularity and rapidity impossible for the most skilful hand to do. **Price, boxed, $8.00.**

MATTHEWS' NEW UNIVERSAL CONSTELLATION—SEEDER, HOE, CULTIVATOR, PLOW, Etc.

No. 19.

This illustration shows the complete implement with all attachments furnished.



In this constellation is presented a brilliant assemblage of the new Universal Drill and the Double Wheel Hoe, Cultivator Rake and Plow for use either as a single or double wheel implement. Six implements in one, each implement is entirely separate from the other, and the only parts used in each, the wheels and handles, are changed from one frame to the other by only two bolts. The cultivating attachments are shown detached. They are: 1 Cultivator Frame, 1 Centre Cultivator Tooth, and 1 pair each Hoes, Plows, Rakes, Markers, Narrow Cultivator Teeth and Wide Cultivator Teeth. **Price, boxed, $10.50.**

MATTHEWS' NEW UNIVERSAL MODEL GEM GARDEN DRILL. No. 18.

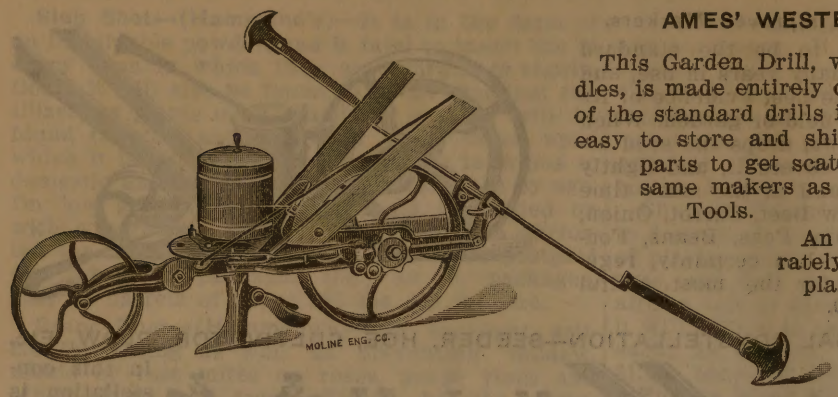
This has been perfected to meet the demand for a low priced drill. We have not only accomplished this in our design, but here offer a drill with all the essential qualities of the Matthews principle, even to embodying Seed Dial and Indicator from exactly same patterns as those used on the larger and more expensive drills. We do not recommend it for use instead of the larger drills, but we are sure that all in want of such a drill as we represent this to be will find it to their advantage to buy the Matthews Garden Gem. **Price, boxed, $6.25.**

MATTHEWS' NEW UNIVERSAL MODEL HILL AND DRILL SEEDER. No. 16.

Same in style and working qualities as the above, just described, but so arranged as to drop the seed continuously in drills or at distances of 4, 6, 8, 12, 16, 24 and 48 inches apart. The adjustment of this Hill Dropper saves the seed, and no more than desired is dropped at a time. The change to the ordinary drill is made by one thumbscrew in detaching the "CUT OFF" from the Agitator and fastening it back on the frame. **Price, boxed, $9.00.**

MATTHEWS' NEW UNIVERSAL COMBINED HILL AND DRILL SEEDER, CULTIVATOR, RAKE, PLOW AND MARKER. No. 22.

This new implement combines the features of our No. 16 Hill and Drill Seeder with those of our No. 26 Expansion Wheel Hoe. It is a single wheel seeder and a one or two wheel Cultivator, Rake and Plow; changed from Seeder to Cultivator by removal of two bolts. Above cuts show as a seeder and a Two-wheel Cultivator. This is a grand combination and will give the best satisfaction. **Price, boxed, $12.00. Price, Seeder only, boxed, $9.50.**



AMES' WESTERN GARDEN DRILL.

This Garden Drill, with the exception of the handles, is made entirely of iron, and is lighter than any of the standard drills in the market. It is compact, easy to store and ship, and has no loose or extra parts to get scattered and lost. Made by the same makers as the Matthews New Universal Tools.

An adjustable gauge wheel accurately regulates the depth of planting.

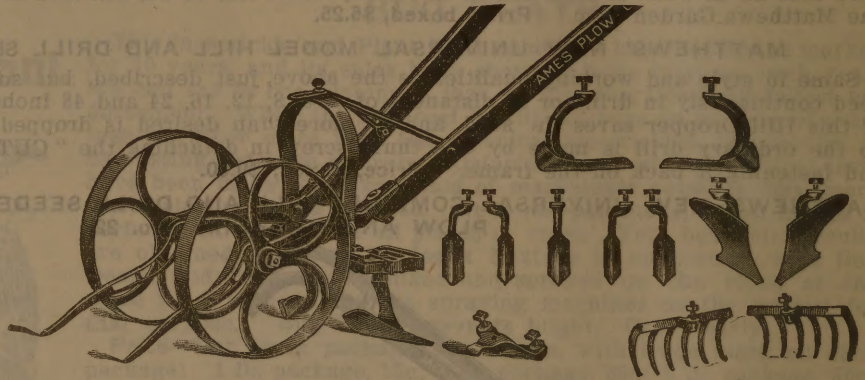
Changes of feed can be made without removing the machine from the ground.

Markers for marking the next row are provided, and do not need changing from side to side. The drill can instantly be thrown into or out of gear without letting go of the handles. **Price, boxed, $6.00**

MATTHEWS' NEW UNIVERSAL DOUBLE WHEEL HOE, CULTIVATOR, PLOW and RAKE. No. 14

Specially designed for working both sides of the row at one passing. The special recommendation is the adjustable Arch, by which not only the depth of work can be gauged, but which, by an ingenious device, enables the teeth to be pitched at any angle desired. It can be pushed straight ahead, but better results are obtained by using it same as a scuffle hoe, with successive strokes of length to suit the nature of soil and crop. It can be used either astride or between rows. To work both sides of the row at one passing, the attachment can be set to suit width of crop to be cultivated, keeping road midway between the wheels; no need to watch the teeth. The hoe blades can be set to turn in or out as desired by the operator. Four cultivator teeth are furnished with each; two can be used at desired width to mark out rows. For furrowing, the plows can be set close together and turn outward; for covering, set to width desired and turn inward. The depth can be regulated by adjusting wheel arms in the three holes provided on each side of the arch, also by pitching the arch by means of the arch brace and the thumb bolt, where it connects to the lower handle brace. The leaf guards are to prevent wheels from injuring large, spreading foliage. **Price, boxed, $6.50. With one pair Hoe Blades only, No. 15, $4.25. With one pair Hoe Blades and Vine Guards, $4.65.**

MATTHEWS' NEW UNIVERSAL EXPANSION WHEEL HOE, CULTIVATOR, RAKE AND PLOW, HIGH ARCH. A DOUBLE OR SINGLE WHEEL IMPLEMENT AT WILL. No. 26.

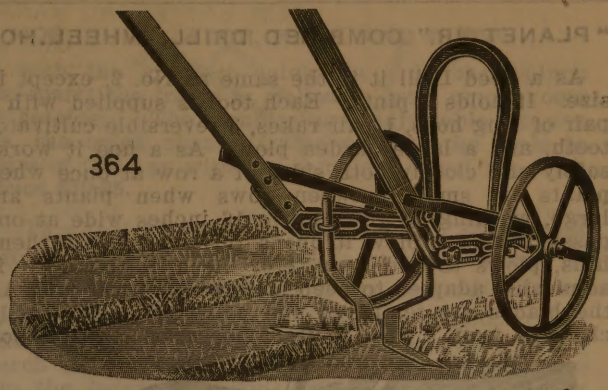


The wheels are 12 inches in diameter, and the arch high enough to cultivate over plants 20 inches or more in height. Our Double Wheel Hoe meets all requirements, but we here present, if possible, a more complete implement of larger size. The Adjustable Arch affords means for regulating depth, and for setting pitch of teeth, a very valuable feature in using the Hoe Blades. It also admits the use of implement by either man or boy. Expansion Pads or Tooth Holders are provided, so any width of cultivation may be attained from the narrowest up to 20 inches wide. One wheel is preferred by many when in use as a "between row" cultivator, and for this purpose we provide the Centre Attachment, consisting of Wheel Scraper and Tooth Holder. The attachments are: 1 pair each long bladed Hoes, short bladed Hoes, narrow Cultivators, wide Cultivators, Plows, Rakes and Vine Guards, and a Centre Cultivator and Centre Tooth Holder. **Price, boxed, $9.50. With one pair Hoe Blades only, No. 27, $6.00. With one pair Hoe Blades and Vine Guards, $6.50.**

MATTHEWS' NEW UNIVERSAL EXPANSION DOUBLE WHEEL HOE, CULTIVATOR, RAKE AND PLOW. No. 24.

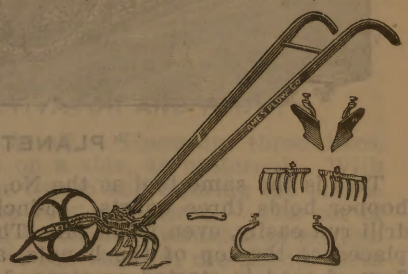
Extension pads, spring steel arch, and arch brace of same style as the High Arch Hoe just described, are used in the construction of this implement also, thus affording at a very low figure every essential to our new Wheel Hoe, except that the arch is not so high, and the wheels used are 10⅛ inches in diameter. The attachments are: 1 pair each Hoes, Plows, Rakes, Vine Guards, Narrow Cultivator Teeth and Wide Cultivator Teeth. **Price, boxed, $7.50. With one pair Hoe Blades only, No. 25, $5.25. With one pair Hoe Blades and Vine Guards, $5.75.**

AMES McGEE PATTERN CULTIVATOR.



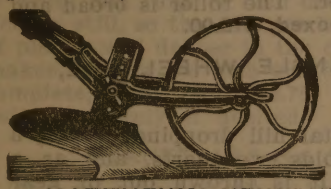
It has two wheels connected by a high arch like a tongueless cultivator; to the rear of the arch are fastened short beams having handles, and these beams are arranged for different kinds of attachments. The handles are connected also with the arch by lateral springs, peculiar to the "McGee," and one of its greatest points of merit. By means of these springs, adjustment to and from the row is accomplished instantly, and the knives at the same time kept under perfect control, so as to avoid injury to the plant. Each cultivator is furnished complete with a pair of cultivators, a pair of knives or hoes, and a wrench. The cultivators do thorough work in young corn and potatoes, as well as in all garden vegetables and small fruit, and can be used from one to four inches in depth. With the weeding knives nearly all hand weeding in onions and small plants is saved. Attachments, by which any class of work desired can be done, are furnished as extras. These attach to the beam in such a manner as to be adjusted forward or back, up or down, and to any angle with the row, or to the surface of the ground. **Price, boxed, $5.00.** Extras—Plows, $1.25 pair; Rakes, $1.00 pair; Leaf Guards, 60c pair; Scroll Knives, $1.00 pair; Onion Puller, 60c.

MATTHEWS' NEW UNIVERSAL SINGLE WHEEL HOE, CULTIVATOR, PLOW and RAKE, No. 11.



As with the Double Wheel Hoe just described, it can be used either between or astride the rows, although it is really intended for between row cultivation. For astride cultivation the wheel can be set to one side so as to bring the row of young plants under centre of frame. Later cultivation must be done between rows. The adjustment for graduating the depth of cultivation is unique and readily accomplished. There are five adjustments of depth. The attachments are: 1 pair Hoes, 5 Cultivator Teeth, 1 pair Plows, 1 pair Rakes and 1 Vine or Leaf Guard. **Price, boxed, $5.75. With 1 pair Hoe Blades only, No. 13, $3.25.**

No. 12—Same as above, excepting the attachments, which are: 1 pair Hoes, 3 Cultivator Teeth and 1 large Plow. **Price, boxed, $5.**



MATTHEWS' NEW UNIVERSAL HAND WHEEL PLOW. No. 10.

This little labor saving implement is one that commends itself to all gardeners. It can be used to prepare the ground, to furrow out, to cover, and to cultivate. The mould board is of steel, polished and tempered. **Price $2.25.**

MATTHEWS' NEW UNIVERSAL HAND PLOW. No. 9.

This is the same Plow and Standard as used in the new Universal Hand Wheel Plow, only fitted with a long handle, to be drawn, instead of pushed. **Price, $2.00.**

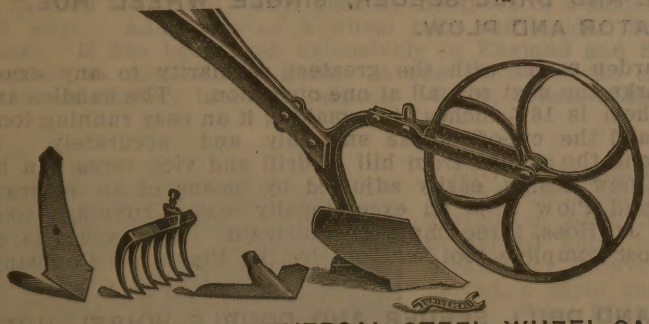
MATTHEWS' NEW UNIVERSAL HAND WHEEL PLOW, ETC.

Same as the Hand Wheel Plow, but has a 12 inch wheel and the following attachments: 1 Landslide Plow, 1 Sweep or Scuffle, 1 Rake and 1 Cultivator. **No. 112, price $2.75.**

Garden Plow, Etc., with Push Bar.

MATTHEWS' NEW UNIVERSAL STEEL FRAME GARDEN PLOW AND ATTACHMENTS, WITH REAR WHEEL AND PUSH BAR. No. 118.

Same as above plow, only having push bar coming up between handles from the front wheel and which takes the weight off the body, thus making the work easier; the rear wheel is a great addition. Front wheel is adjustable, and is 15½ inches in diameter; the handles are also adjustable. **Price $4.25.**



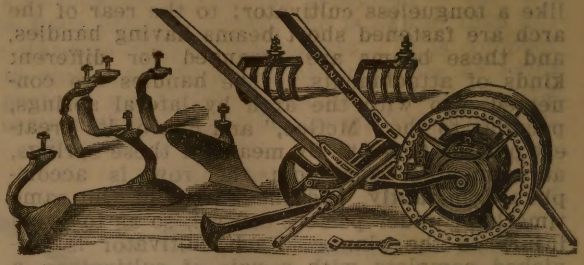
MATTHEWS' NEW UNIVERSAL STEEL FRAME GARDEN PLOW AND ATTACHMENTS. No. 8.

This implement, we believe, will prove a very acceptable addition to our line. The wheel is adjustable, and is 15½ inches in diameter. The handles are also adjustable. The finish is in the same style as our other implements of this well-known line. The attachments are: 1 Landside Plow, 1 Sweep or Scuffle, 1 Rake and 1 Double Tongued Cultivator. **Price, boxed, $3.25.**

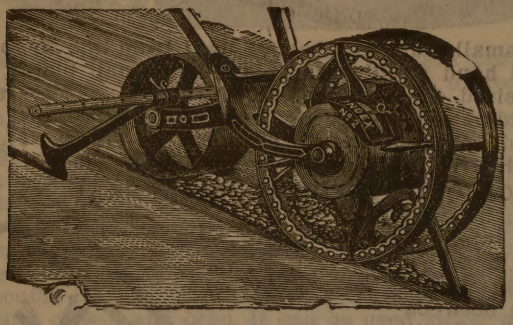
MATTHEWS' NEW UNIVERSAL STEEL WHEEL GARDEN PLOW AND ATTACHMENTS, WITH REAR OR TANDEM WHEEL. No. 216.

It is equipped with a front 16-spoke steel wheel, 24 inches in diameter and with 1¼ inch face. By use of the rear wheel the implement is more easily pushed over the unevenness of the soil. The wheels are adjustable as well as the handles. The finish is the same as in the other New Universal tools. Attachments furnished are: 1 Landslide Plow, 1 Sweep or Scuffle, 1 Rake and 1 Double Tongued Cultivator. **Price, boxed, $3.75.** No. 208, same as No. 216, except rear wheel. **Price, boxed, $3.25.**

"PLANET JR." COMBINED DRILL, WHEEL HOE, CULTIVATOR, RAKE AND PLOW. No. 1.



As a Seed Drill it is the same as No. 2, except in size. It holds 3 pints. Each tool is supplied with 1 pair of long hoes, 1 pair rakes, 3 reversible cultivator teeth, and a large garden plow. As a hoe it works safely and closely both sides of a row at once when plants are small, between rows when plants are large, working all rows up to 16 inches wide at one passage. As a plow it opens furrows, covers them, hills, plows to and from, etc. As a cultivator it is admirably adapted to deep mellowing of the soil. All the blades are tempered and polished steel. Easily changed from a drill to its other uses. **Price, boxed, $11.75; without Rakes, $10.75.**



THE "PLANET JR." NO. 2 SEED DRILL.

Sows all garden seeds accurately at any desired thickness or depth, opening, dropping, covering, rolling down and marking the next row in the most perfect and reliable manner, all at a single passage. It holds three quarts. It has no cams, cover brushes, cogs, springs or shakers to get out of order; it is noiseless, automatic, self-cleaning and accurate; remarkable for simplicity, strength, and for ease and perfection of work in the field. It can be set to run deep or shallow, and the seeds are deposited in a narrow line. **Price, boxed, $8.50.**

"PLANET JR." NO. 3 HILL AND DRILL SEEDER.

This is the same tool as the No. 5 Seeder and just as good, except that it is smaller in size. The hopper holds three quarts. 15-inch patent steel driving wheel, with broad face, which makes the drill run easily, even when full. The quantity of seed is regulated by an accurate index, conveniently placed at the top of the handle, and carefully graduated for either hill dropping or drilling. The flow of seed is started or stopped by a single movement of the forefinger. The roller is broad and hollow faced, leaving a wide, smooth track for the wheel hoe. **Price, boxed, $12.00.**

"PLANET JR." NO. 4 COMBINED HILL AND DRILL SEEDER, SINGLE WHEEL HOE, CULTIVATOR AND PLOW.

This admirable tool combines in a single convenient implement a capital hill dropping seeder, a perfect drill seeder, a single wheel hoe, a cultivator, and a plow. It holds two quarts, and as a seeder sows in continous rows, or drops in hills at different distances. It is thrown out of gear by simply raising the handles. The index is accurate, simple and easily set. The drill is detached and the tool frame substituted by removing but one bolt. It then becomes a single wheel hoe, garden plow, or cultivator. **Price, complete, boxed, $12.50; as Drill only, $10.25.**

"PLANET JR." No. 5 HILL AND DRILL SEEDER.

This Seeder is the latest and most perfect development of the hand seed drill. It sows evenly in drills, and also drops in hills at 4, 6, 8, 12 or 24 inches apart. It is thrown out of gear instantly by removing a convenient lever; or, the flow of seed is stopped by pushing down the seed rod. No time is lost; no seed is wasted. It is quickly set to sow different kinds of seed in the exact thickness desired. It covers and rolls down light or heavy, and marks the next row clearly, 16½ inch patent steel drive wheel; hopper holds five quarts; it runs light, and sows equally well with a full hopper or a tablespoonful of seed. We guarantee this drill to be more accurate than any other made, and to give satisfaction in every respect. **Price, boxed, $14.50.**

"PLANET JR." NO. 6 COMBINED HILL AND DRILL SEEDER, SINGLE WHEEL HOE, CULTIVATOR AND PLOW.

It will drop in hills and sow in drills all garden seeds with the greatest regularity to any exact depth required. Covers, rolls down and marks the next row all at one operation. The handles are adjustable for either man or boy. The wheel is 16½ inches high, making it an easy running tool. The feed is the most accurately constructed and the cut-off works smoothly and accurately. It drops in hills 4, 6, 8, 12 and 24 inches apart, and the change from hill to drill and vice versa can be made in a few seconds. The index is of a new design, easily adjusted by means of an accurate thumbscrew. As a Wheel Hoe, Cultivator and Plow it is an exceptionally easy running tool. The equipment consists of two 6-inch Planet Jr. Hoes, three improved Cultivator Teeth, and a large Garden Plow. Taken altogether it is the most complete tool sent out by the Planet Jr. Company. **Price, boxed, $15.25; as Drill only, $12.50.**

"PLANET JR." NO. 25 COMBINED HILL AND DRILL SEEDER AND DOUBLE WHEEL HOE.

It is large enough for field use, for it holds 2½ quarts, and has 11¼ inch wheels, which are just the right size. As a drill it is almost identical with the "Planet Jr." No. 4 Drill, will sow in drills or hills 4, 6, 8, 12 or 24 inches apart, and has the same automatic device for throwing out of gear and the new combined cut-off and seed index with thumb-screw adjustment. As a Wheel Hoe it is identical with the "Planet Jr." No. 12 Double Wheel Hoe. The change from Drill to Wheel Hoe takes but a moment. **Price, boxed, $15.25.**

"PLANET JR." NO. 11 DOUBLE WHEEL HOE, CULTIVATOR, RAKE AND PLOW.

Changes and adjustment of the tools are made with the greatest quickness. It has 14-inch wheels, which can be set at four different distances apart; the frame is malleable, with ample room for tool adjustment, and can be set three different heights. The handles are adjustable at any height. The arch is of stiff steel, unusually high, the quick change frame permits the tools to be changed without removing the nuts. Seven pairs of tools go with the complete wheel hoe. All the blades are of tempered and polished steel. **Price $10.25.**

"PLANET JR." No. 12

Double Wheel Hoe, Cultivator and Plow.

This tool has 11-inch wheels which can be set at four different distances apart; the frame is malleable, with ample room for tool adjustment, and can be set at three different heights. The handles are adjustable, and being attached to the arch are entirely undisturbed in making changes in the height of frame, width of wheels, or in the adjustment of the tool otherwise. The arch is of stiff steel, unusually high. The design of the frame is novel, allowing all changes of tools to be made without removal of the nuts from the standards. All the blades are tempered and polished steel.

Price, boxed, - - - - - $8 00

No. 13—This tool is the No. 12, with 6-in. Hoes only

Price, boxed, - - - - - $5 25

"PLANET JR." No. 14 DOUBLE WHEEL DISC HOE, CULTIVATOR AND PLOW.

This new tool will give excellent satisfaction; especially pleasing to all. There are three discs, oil tempered, on each side, which may be all used at once or two on a side, as preferred. With the leaf lifters the work can be done without danger of cutting off the leaves and injuring the plants. The discs are also adjustable for depth and to throw to or from the row as desired. The set of prong-cultivator teeth is constructed on entirely new lines, and will be found invaluable in general cultivation. The tooth next to the row is narrow and is arranged to run shallow, the middle tooth is wider and runs ½ inch deeper, while the outside tooth is very much wider and runs ½ inch deeper still, so that the work is finer and more delicate next to the row, to avoid injury to the roots of plants, and deeper in the centre. The teeth are also set out of line from front to back, which makes them work with greater freedom. The plows are the regular "Planet Jr." model. **Price, complete, $9.00; plair, $6.75.** The attachments will fit the Double and Single Wheel Hoes and are sold separately if desired. Price, Discs per pair, $3.00; 3-Prong Cultivator teeth, per pair, $1.75.

"PLANET JR." No. 16 SINGLE WHEEL HOE, CULTIVATOR, RAKE AND PLOW.

This is a perfect Wheel Hoe for gardens or private places. It is very light, strong, and easy running, has adjustable handles and frames, easily adapted for quick changing of teeth. The equipment is a most useful one, and will be found just right for a great variety of work. The frame changes in height and the wheel to the other side of the frame, to hoe both sides of the row at once. **Price, boxed, $6.75.**

No. 17—This tool is the No. 16, without the leaf guards or rakes. **Price, boxed, $5.75.**

No. 17½—This tool is the No. 16, without the plow or rakes. **Price, boxed, $5.00.**

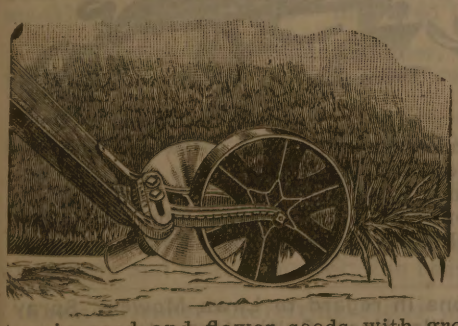
No. 18—This tool is the No. 16, with one pair 6-inch hoes only. **Price, boxed, $4.00.**

"PLANET JR." No. 38 SINGLE WHEEL DISC HOE, CULTIVATOR AND PLOW.

Complete, $8.00; plain, $5.50.

"PLANET JR." DOUBLE WHEEL BUNKER AND TRAP WEEDER, AND LEVELER FOR GOLF COURSES.

This new member of the family has been brought out to meet the demands from the green keepers of various golf courses for a tool with which to keep the sand in the bunkers free from weeds and in good condition. It is used at the speed of a moderate walk, a forward stroke being made at each step. Admirable as a wheel rake and leveler, finishing a strip thirty inches wide at each passage. It has been used extensively in England and Scotland and gave such excellent satisfaction that we now offer it here. A few were sold for the first time last year in America and proved satisfactory in every respect. **Price, boxed, $9.00.**



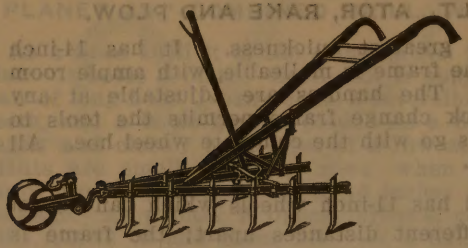
"PLANET JR." GRASS EDGER.

Extreme neatness is the great secret of attractiveness in grounds surrounding a house. The Grass Edger assists wonderfully in producing this effect. It will edge either straight or curved work, paths, drives, open borders or flower beds. Strawberry growers find the Grass Edger, with the hoe removed, a rapid and perfect tool for cutting off surplus runners. **Price $7.25.**

EUREKA SEED DRILL.

For kitchen garden and hot-beds only. It sows and covers beets, cabbage, carrot, celery, lettuce, onion, radish, spinage, turnip seed and flower seeds with greatest regularity. Force feed. Splendid for hot-beds. Sows close to the sides in straight rows. Not a toy, but a strong, practical machine that will last and give satisfaction. **$1.00 each; postpaid $1.40.**

NEW UNIVERSAL HARROW CULTIVATOR NO. 49.

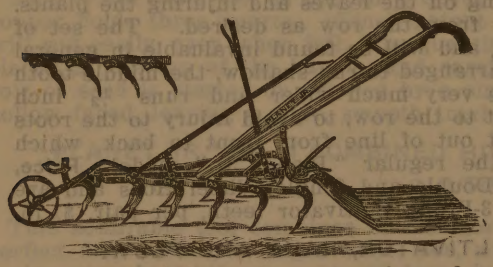


For fine work among small plants where it is desired simply to loosen and pulverize the soil, this style of cultivator is unsurpassed. It is especially desirable in the working of strawberries. Adjustable and reversible steel teeth, diamond shaped, may be used either end up, and may be set either straight or slanting backward or forward. One end of each tooth is cut plain, while the other end is curved and forged. It has 14 teeth, expanding lever and wheel lever. We recommend this implement as the strongest and best Harrow Cultivator made. **Price $8.00.**

NEW UNIVERSAL HOLLOW STEEL STANDARD HORSE HOE AND CULTIVATOR No. 42

The new Universal Horse Hoes and Cultivators are recommended as strictly first-class, and the peer of any similar implement on the market. The frame is made of special quality steel, and is longer and higher than usual to give better control of the implement and keep clear of trash. The tooth standards are pressed from hard sheet steel, forming a hollow back and a round front. They are strong and easy of adjustment. The hoe standards take either hilling mould or cultivating teeth, and may be turned all the way round to give any sideways angle desired, and to use the hilling moulds with point foremost, or the reverse. The expanding bars are strong and are reinforced by the outside handle braces. The wheel lever and expanding lever are so shaped as not to interfere one with the other. It has the rear depth regulating wheel, which is operated by wheel lever in unison with front wheel, which keeps it perfectly level under all conditions. This may be detached if not wanted. The handles are of increased length to correspond with the long frame, and are adjustable. Attachments: Five Cultivator Moulds, three Hoe Moulds, Expanding Lever and Wheel with Lever. **Price $8.50.**

THE "PLANET JR." TWELVE TOOTH HARROW, CULTIVATOR AND PULVERIZER.



This tool is offered as the very best known for its intended purpose. The frame is high. The blades are an inch wide, and of such shape as to work in the most thoroughly satisfactory manner, and to offer an unusual amount of wearing surface, the recurved throat of the tooth and the high frame preventing clogging. The reverse position is quickly given to the teeth by changing a single bolt in each. The frame is heavy and strong. The teeth are set straight with the line of motion, at medium width, and are interchangeable. They may be worn off three inches before requiring renewal, and yet retain their original cutting width, and are cheaply replaced when worn. The tool has our lever expander and lever wheel, by which the depth and width may be changed instantly while in motion from 32 to 12 inches, and also a thorough pulverizer attachment, which leaves the ground in the finest condition. The pulverizer is controlled by a lever, which is operated instantly by the foot while in motion. For fine cultivation, either deep or shallow, or for working among small plants, this tool has no equal. It cultivates deep, without throwing earth upon the plants, and the teeth turn strawberry runners without injuring them. **Price, with Wheel, $9.00. Complete, with Pulverizer, etc., $10.50. Strawberry Runner Cutter Attachment, $?.50 extra.**

THE "PLANET JR" No. 8 HORSE HOE AND CULTIVATOR.

This machine is very strongly made, yet light and easy to handle.

The frame is longer than usual, and about one and a half inches higher, making a tool that will not clog easily. The standards are framed up hollow, with round throats of stiff steel; they polish quickly and free themselves readily from obstructions, and they clasp the frame and strengthen it. The depth is under perfect control by means of a new lever wheel and the new patented depth regulator; these are moved instantly in unison by a single lever, making exact work, steadying the machine and relieving the operator. The Expander—This is an entirely new pattern, superior to other forms; exceedingly strong, simple, accurate and positive in all positions. Handles and Braces—These are also absolutely new and the most effective and stiffest combination known, at once making the tool rigid, yet allowing every adjustment of the handles in height and sidewise. The Reversible Side Hoes, patented, are an important part of the implement. As shown in the cut, they act as plows or hillers, but when turned end for end the tool becomes a genuine horse hoe, working so shallow and so close, without injury to the roots, that an immense amount of hand labor is saved. Every part is perfected to make the tool acceptable to the intelligent farmer, who knows the best is always the cheapest. **Price $10.50.**

We have Special Catalogues giving full description and directions in regard to Lawn Mowers, Spray Pumps, including Spraying Calendar and Mixtures, Drills, Hoes, Cultivators, etc. We mail these on application.

THE "O. K." LAWN MOWER—This Mower has been thoroughly tested, and we have no hesitation in recommending it in every respect as a first-class low price machine. For lightness of draught, simplicity of construction and adjustment this mower is a great success; its quality is unquestioned, and it is fully guaranteed. **16-inch cut, $4.50.**

THE GOLDEN GLOW LAWN MOWER—The best low priced machine on the market. It has a 4 blade revolving cutter running in hard metal bushing, arranged to take up the wear, and the driving wheels are 8 inches in diameter. It is well made in every particular, and the material used in its construction is the same us used in our high grade mowers. **16-inch cut, $5.00.**

NEW MODEL MOWER—For simplicity, durability and quality of work, this Mower is superior to any in the market. All that mechanical skill can devise, or the experience of a score of years in the manufacture of Lawn Mowers could suggest are embraced in the construction of the New Model Mower. Constructed of the best material only and A1 in every respect. **16-inch cut, $8.50.**

THE UNIVERSAL HIGH WHEEL MOWER—This Mower, for cutting either tall or short grass, is intended to meet the requirements for a cheap, strong, substantial and light running machine. The driving wheels are 9 inches in diameter. The revolving cutter consists of a steel shaft, malleable iron flanges, and the knives are of extra heavy steel of the best quality. The adjustments and ratchet, while simple, are also positive, and cannot get out of order. We use on this Mower our double-edged bottom knife and noiseless wood roller. **16-inch cut, $4.50 each.**

RIVAL HIGH WHEEL LAWN MOWER—The driving wheels are 9 inches in diameter, and the revolving cutter has three blades of the best quality of steel. It is the only practical self-sharpening Mower, the adjustments are simple, the material and workmanship the best, and it is a first-class Mower at a reasonable price. **16-inch cut, $6.50.**

NEW MODEL HIGH WHEEL MOWER—This has all the good qualities of the famous "New Model," and in addition, besides other improvements, will cut higher grass than the ordinary Mower. **16-inch cut, $10.00.**

THE LENOX BALL BEARING MOWER—An excellent cheaper make of this latest and best style of Lawn Mower; 3 blades. **16-inch cut, $7.50.**

STEARNS BALL BEARING LAWN MOWER—While it runs so much easier and with less noise than other Mowers, it cuts faster, cleaner, more evenly, does not push the grass before it, but cuts every spear, leaving the surface of the lawn perfectly smooth. It costs no more than the average high-class mower, yet it lasts much longer. The stationary knife is of selected quality crucible steel, oil hardened and ground to a fine cutting edge. The cylinder knives are of special analysis open hearth steel, oil hardened, and the temper drawn just enough to permit of their being sharpened with a file, yet so hard that they will not become nicked. All oil holes and adjusting screws are easily reached from the upper side; there is no necessity for turning the mower over for oiling or adjusting. The notched roller arms, which lock into corresponding notches in the side plate, allow parallel adjustment of the roller. **Price, 16-inch cut, $9.50.**

ROYAL BLUE BALL BEARING MOWER—In this Mower we offer to the public the simplest, lightest running and most perfect Mower of its kind produced. One screw adjusts both bearings and effectually takes up all lost motion, keeping the bearings properly adjusted more permanently than any device heretofore used on a mower. It has our improved ratchet, adjustable handle device for terrace cutting, and will do more kinds of work than any other mower on the market. It is made of the best material, handsomely finished, and we guarantee it to give perfect satisfaction. **16-inch cut, $12.00.**

NEW EXCELSIOR HORSE LAWN MOWER—This is one of the best Horse Lawn Mowers made, and we have excellent testimonials from those to whom we have sold in Canada. It is furnished with a side draught attachment that permits the horse to walk only on the cut grass. We use the sectional castor wheels, which do not roll down the standing grass nor leave unsightly marks on the lawn. We can also furnish, when desired, a grass box attachment for collecting the cut grass, which is extra. It is made of the very best material throughout, and the greatest care is exercised in its construction. **25-inch cut, with shafts and side draught attachment, $60.00; 30-inch, including seat, $80.00; 35-inch, including seat, $100.00; 40-inch, including seat, $125.00.**

PHILADELPHIA LAWN MOWERS—This line of Mowers have a very high reputation and in use both in America and Europe for forty years. Highly recommended.

"A," All Steel, 17-inch—Cylinder diameter, 6½ inches, train of 3 gears and double ratchet making both wheels drivers, 4 blades, driving wheel 10 inches high; a magnificent light and easy running machine. **Price, $16.00.** Improved Grass Catcher, $2.00 extra.

"K," 16-inch—Five blade cylinder, driving wheel 10 inches high, diameter of cylinder 6½ inches, single pinion, geared on both sides, runs lightly and cuts smoothly and even. **Price $9.50.**

"C," 16-inch—Four blade cylinder, driving wheel 8½ inches high, diameter of cylinder 5¼ inches, single pinion, geared on both sides, runs lightly and cuts smoothly and even. **Price $8.00.**

All Day, 16-inch—Four blade cylinder, driving wheel 10 inch high, diameter of cylinder 6½ inches, single pinion, geared on both sides; a fine machine. **Price $6.50.** .Improved Grass Catcher $2 extra.

Golf, 17-inch—Eight blade cylinder, driving wheel 10 inch high, diameter of cylinder 7½ inches, train of 3 gears and double ratchet; the best machine made. **Price $17.** Improved Grass Catcher $2 extra.

Lawn Trimmer—Revolving cutter with 4 crucible steel blades, tempered in oil, cuts 6 inches wide and within ¼ inch of the edge. **Price $6.50.**

PENNSYLVANIA LAWN MOWERS

This quality of Mowers has stood the test for 30 years, and there is nothing as good for jobbing gardeners, parks, cemeteries, and large private grounds. The use of high cost steel in our knives and the tempering of each blade, both stationary and revolving, is confined to our works. Having our own factory, we produce a grade of casting better than we can buy. Having originated the open cylinder, and open wheel, the train of gears, the self-sharpening mower, and the first successful ball-bearing mower, we have proved the superiority of our mechanical equipment. The machines cost the user less than any others for repairs and re-sharpening, and their long life reduces the original price to a nominal yearly amount.

Pennsylvania—The best for every class of work; will last longer and do more than any other machine; 8 inch wheels, 4 blades, 5½ inch cylinder. 16-inch, $12.00. Braun Grass Catcher $2 extra.

Pennsylvania Junior, Ball Bearing—The perfection of lawn mower construction, 5 tempered crucible steel blades, self-sharpening lower knife, ball bearing cylinder journals. 8-inch wheels, 5 blades, 5½ inch cylinder. 16-inch, $13.00. Braun Grass Catcher, $2.00 extra.

Great American Ball Bearing—The first successful ball bearing mower; the largest sale of any, and the best all-round mower of its class in the world. Positively self-sharpening. 10-inch wheels, 5 blades, 6-inch cylinder. 17-inch, $13.50. Braun Grass Catcher, $2.00 extra.

Pennsylvania Pony Mower—This machine bridges the space between 21 inch hand mowers and horse size, combining strength of latter with the mobility of the former, making it specially useful on large lawns where the surface is broken by walks and shrubs, or is too hilly for horse mowers. It can be handled by two men. The 4-knife machine is fitted with Enos folding self-sharpening lower knife, double train of gears, extra wide blades, and large cylinder, fitting it for use in high grass. The 6-knife machine has the upturned lower knife used in our golf, hand and horse mowers, making it unrivalled for fine lawns and golf greens. 4 blades, 25-inch cut, $47.50; 6 blades, 25-inch cut, $55.00.

The New Pennsylvania Grand Horse Mower

The new machine, in addition to the good qualities of our regular Horse Mower, has some features that are distinctly its own, which will recommend it to all who use horse power machines. **Cutting Adjustment**—The wheel at the right of the driver's seat regulates the height of cut from ⅜ inches to 2⅞ inches. The operator, without leaving his seat, can instantly change from low to high cut or an intermediate one. **Cylinder Adjustment**—All wear of either revolving or stationary knives is taken up by a pair of set screws on the top of the cylinder journal boxes, allowing the cylinder to drop on the stationary knife, which is rigidly bolted and remains fixed in place. The cylinder journals run in phosphor bronze boxes, and these are split, so that all wear can be taken up by a set screw. The journal box is floating or self-aligning, similar to that used so successfully for the past twenty years in our New Departure Hand Mowers. **Self-Sharpening Stationary Knife**—This blade is made of crucible tool steel, hardened and tempered, and is the raised lip or upturned edge style, peculiar to our horse mowers. If kept in adjustment the machine will not require sharpening until the lower blade is worn flat, when a new one can be had at less than the usual cost of regrinding other makes. Diameter of cylinder 7½ inches. Diameter of drums or rollers 15 inches. Price, complete with seat, shafts, etc., 30-inch cut, 4 blades, $115; 6 blades, $125.

The Pennsylvania Ball Bearing Lawn Trimmer

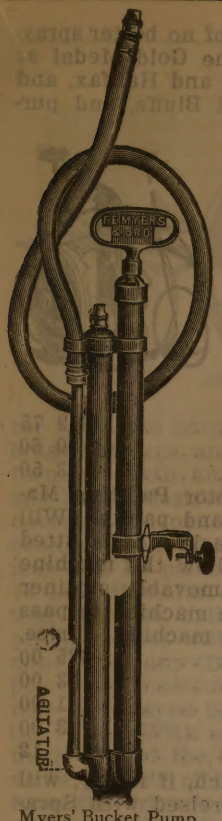
To meet the demand for a serviceable tool to take the place of grass shears and other devices for cutting the grass left at the edge of lawns after mowing, we have revived a little machine which we made 26 years ago—reducing the weight and adding ball bearing to the cylinder. The new machine will cut to within three-eighths of an inch of wall or tree trunk and mow any border wide enough to run one wheel on. Its construction is similar to all the other Pennsylvania products—crucible tool steel in both cylinder and stationary blades. Self-sharpening. Ball bearings with patented Pennsylvania adjustment. Built for service and long life. Light running. Easy to handle. **Price $6.00.**

New Undercut Ball Bearing Lawn Trimmer

An improvement on above in that it will cut under a fence or any overhanging projection. $8.00.

The Gem Lawn Cleaner

This machine can clean your lawn more thoroughly and quickly than three or four men can do it with hand rakes, and it will greatly benefit the turf. It leaves the grass standing up straight and strengthens up the grass and other running weeds so they will be cut closer by the lawn mower and sooner destroyed. It is made of metal, wood and canvas, and is put together in the most durable and thorough manner. This combination makes it lighter and less noisy than all metal. It combines strength and durability with light construction. It cleans twenty-four inches—longer rakes make the work too heavy, and any shorter do too little work; only one size is made. A strong current of air, created by a rapidly revolving fan with metal teeth, is the principle by which this machine cleans a lawn. The metal teeth rake up everything on the surface of the lawn, in combination with the current of air, carry it to the canvas receptacle or basket, which is large and is easily emptied when full. Cut grass left on the lawn smothers the new growing shoots. $20.00 each. We highly recommend it.



Myers' Bucket Pump

MYER'S BUCKET SPRAY PUMP.

Is constructed entirely of brass, a material that is not affected by the poisonous arsenites used in different formulas for spraying fruit trees, vines and shrubbery. It is so arranged that the labor of pumping is all on the downward stroke of the piston and nothing on the up; the effect of this operation while pumping is to hold the pump down, the footrest steadies the pump, holding it in proper position. It is provided with a large air chamber and has ball valve. The pressure is held uniformly in the air chamber and on the hose, so that the nozzle throws a continuous spray, and is not affected by the movement of the plunger. Will throw a solid stream 50 feet, and is of unusual value for washing windows, buggies and extinguishing fires, sprinkling lawns, flowers, etc. For spraying it is arranged so as to discharge a fine jet at the bottom of the bucket and keep the solution thoroughly mixed and agitated, a feature peculiar to this pump only and a very necessary feature to a spray pump. Brass Pump with Agitator, complete with hose, graduating Vermorel, fine coarse spray and solid stream nozzle and malleable footrest, $4.50.

Lever Bucket Pump.

MYERS' LEVER BUCKET SPRAY PUMP.

This is an improvement on the above pump, being constructed on the same principle but differing by having an extra large air chamber and a lever handle, which add greatly to the ease in pumping; it has also a top casting to attach to a barrel if preferred. Price, complete with agitator, hose and graduating Vermorel nozzle, $5.00.

MYERS' IMPERIAL BARREL SPRAY PUMP.

This pump is made of brass, and is powerful and easy to operate. It is made on same principle as the Bucket Pump, but larger—has lever handle, 2-inch cylinder and air chamber, patent agitator, ample capacity for two streams, and is fitted with a top casting to bolt to chime of barrel. Complete with 5 feet of ½-inch 3-ply hose and graduating Vermorel nozzle, $10.00.

Eight foot Extension Pipe, for above Pumps, 50c extra.

MYERS' FOUNTAIN KNAPSACK PUMP.

It is constructed of first quality of galvanized iron, with round corners, removable strainer and tight lid, which prevents liquid from splashing on operator. It is fitted with adjustable straps so as to be carried on the back, or can be carried by bail. It is tapped at both right and left hand lower corners, and fitted with brass female ends, to which hose is attached, either one or two strings of which may be used at one time. When one hose only is used, the other opening is closed with a metal plug furnished for that purpose. The hose and bulb used are made of the best white rubber, and protected at each end by coiled wire to prevent breaking. The valves are made of brass and will not corrode, have large openings which permit the free flow of water, and shut off instantly when under pressure. The nozzle is made of brass, nickel plated, has 50 small openings, and throws a spray 6 feet wide at a distance of 12 feet. The pump is operated by grasping the bulb in the hand and compressing it, which causes a spray to be thrown any distance from 3 to 15 feet if desired, on relaxing the pressure on the bulb it expands, refilling instantly, when the same operation can be repeated. To shut off flow of water entirely, use valve on hose for that purpose. The operator can cover one or two rows of plants or vines if desired, and do the work at a rapid walk, thus covering a large amount of territory in a very short time. Holds 5 gallons. Weight 52 lbs. when full. All working parts are brass.

Pump, with one tube, rubber bulb and rose, $4.00. Pump, with two tubes, rubber bulbs and roses, worked by both hands, $5.50.

THE AUTO SPRAY. IMPROVED FOR 1912.

A self-operating or automatic sprayer. You hold the hose, the machine does the work. The climax of all Sprayers; combines every conceivable point of excellence, including economy, durability, low price and ease in carrying and operating.

DIRECTIONS—This cut shows the air chamber and reservoir combined. Fill the reservoir not more than two-thirds full with the solution ready for spraying, insert air pump at the end of can and all is ready for the operation. The sprayer being carried by the shoulder strap leaves both hands of person operating with nothing to do but direct the spray. Spray can be made to flow slower or faster by merely turning the cock of the spray nozzle and will throw either a cloud-like shower or a solid stream.

A few strokes of plunger in air chamber will compress enough air to discharge the entire contents and make a continuous stream for 9 minutes. This means that the Sprayer can be charged in 15 seconds, when it will work uninterruptedly long enough to spray ¼ acre of potatoes.

Weight, empty, 7 lbs.; loaded, 39 lbs.; capacity about 4 gallons.

Prices—"Auto Spray," complete ith hose, stopcock and nozzle, galvanized steel tank, old style $5.00, latest improved $6.00; with brass tank, old style $7.00, latest improved $8.00.

Extras—Extension pipes, 2 ft. lengths, galvanized steel, brass ends, 40c; solid brass, 50c. Auto-Pop and Auto-Choke Nozzle, $2.00. Auto-Pop and Auto-Choke Nozzle instead of Stopcock, $1.00. We highly recommend the Auto-Sprayer.

SPRAMOTOR OUTFITS.

The Spramotor is so favorably known in Canada that we can only say we know of no better spraying machine. These machines were awarded the Government Spraying Contest, the Gold Medal at the Pan-American Exhibition, and the highest awards at Glasgow, Toronto, Ottawa and Halifax, and has lately been awarded Gold Medal at National Horticultural Congress at Council Bluffs, and purchasers may be sure of getting strictly high-grade machines.

SPRAMOTOR FRUIT SPRAYING OUTFITS.

Spramotor Jr. No. 1	$10 00
Spramotor Jr. No. 2	13 00
Extra for all brass	3 00
Spramotor Jr. No. 1, with 10 ft. hose and nozzle	12 00
Spramotor Jr. Outfit No. 110, being Spramotor No. 1, with hand valve, 10 ft. hose, iron extension rod, with drip guard and 2-nozzle cluster	15 25
Same, if with bamboo extension pipe, No. 107	16 25
Spramotor Outfit No. 112, being Spramotor No. 2, with hand valve, 10 ft. hose, bamboo extension rod, with drip guard and 2-nozzle cluster	$19 75
Same, if with 3-nozzle cluster, No. 113	20 60
Extra with barrel and screen	3 50

The cut to the left represents the Spramotor Painting Machine, for the application of oil and water and paints. Will pass through any opening the size of the cask. It is fitted with patented quick release plates, which allow the machine to be removed instantly. New patent immovable strainer and by-pass, which allows the mixture in the machine to pass back into the barrel when through with the machine. Price, complete with all new improvements $25 00

Extra for all brass	3 00
Extra for 2-nozzle cluster	1 00
Extra for No. 2 Spramotor, in place of No. 1	3 00
Extra for hose, per foot, net	12

Nothing about the spraying outfit is of such vital importance as the nozzles, which, if faulty, will not apply the spray in the proper way, nor save the crop. The greatest care is exercised with Spramotor Nozzles, and they are as near perfection as possible.

NOZZLES.

Single Nozzle	$0 75	3-Nozzle Cluster	$2 60
Double Cluster	1 75	Y Connection	60

STOPCOCKS.

Plain ..60c Leakless ..80c Patent Hand Valve $1 00

Ten feet Hose and Couplings, $1.25. Drip Guards, 40 cents.

EXTENSION RODS.

Bamboo Extension Rod, with Drip Guards	$2 50
Iron Extension Rod	60

ROW SPRAYERS.

2-row Brass Sprayer, with nozzle	$3 70
3-row Brass Sprayer, with nozzle	5 30
4-row Brass Sprayer, with nozzle	7 00
5-row Brass Sprayer, with nozzle	9 60

SPRAMOTOR CAN OUTFITS, AS SHOWN.

Spramotor No. 0, with 2½ feet hose and nozzle	$7 00
Extra for heavy galvanized can	2 00
No. 103, same, if with bamboo extension pipe, hand valve and can	$12 75
Spramotor Outfit No. 102, as shown, for spraying fruit trees, with 10 feet hose, hand valve, extension pipe, with drip guard, without can	$10 25

THE SPRAMOTOR WHEEL OUTFIT, NO 105

With No. 0 Spramotor, fitted as illustrated, with 5 feet of hose, patent hand valve, 8 foot extension pipe, with patent drip guard and nozzle. Price complete $18 00

Same, if with bamboo extension pipe, 8 or 10 feet	19 60
Same, if with all brass, No. 0	21 60
Same, If fitted with No. 1 instead of No. 0	23 60
Same, with No. 1, all brass	26 60

HAND SPRAMOTOR OUTFITS FOR POTATO, MUSTARD, VINEYARD AND TREES.

OUTFIT NO. 123.

Spramotor No. 2, all brass	$16 00
Mounted on 50-gallon cask	3 50
Six feet Extra Quality Hose	1 30
Four-row B ass Surface Sprays and Nozzles	7 00
Row Sprayer, Support and Rack	5 00
Hand Valve	1 00
One-horse Cart	20 00
Total	$53 80

OUTFIT NO. 124.

Same as Outfit No. 123, only with Spramotor Jr. No. 2, with brass working parts $50 80

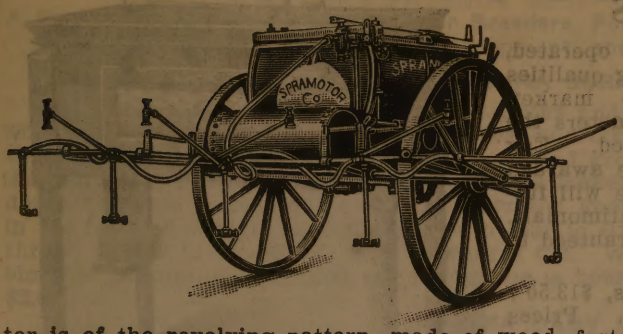
OUTFIT NO. 125.

Same as Outfit No. 123, only with Spramotor Jr. No. 1, all brass $50 80

OUTFIT NO. 126.

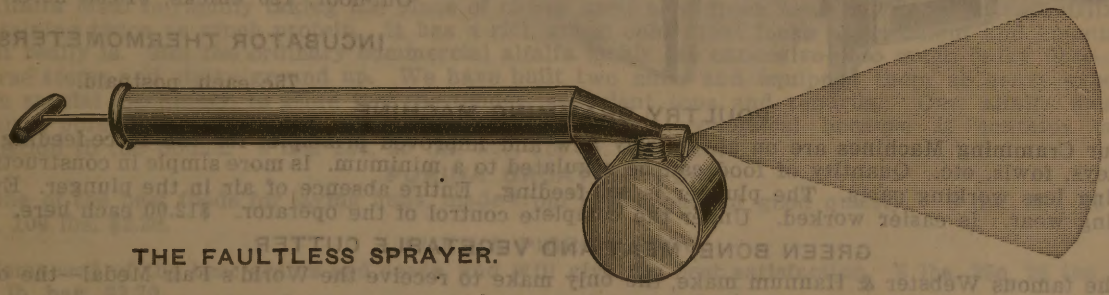
Same as Outfit No. 123, only with Spramotor Jr. No. 1, brass working parts $47 80

HORSE POWER SPRAMOTOR



The machine, as shown, is for potato spraying with a four-row bottom and top Sprayer, two nozzles spraying the vines from below and one from above to each row. We give a few of its chief points. The tank will hold 84 Imperial or 100 U. S. gals.; is made of low down compact design of cypress or selected white pine, and provided with 3 bands with bolts, whereby any shrinkage may be taken up, and has a large manhole for filling. The brass suction connection in the bottom of the tank has a screwed cap, the removal of which opens a 2½-inch hole for cleaning out the tank. The agitator is of the revolving pattern, made of wood, fastened together with brass screws, and swings on brass bearings, and actuated by sprocket from the axle. It will thoroughly stir and keep of uniform strength any mixture used in spraying. The axle is of cold roller steel 1⅝ in. in diameter, of any length desired to suit the work to be done, in machined bearings, and turns only one way. Each operates independent of the other, both driving by separate ratchets. The width of row may be changed from 26 in. to 36 in. by simply extending the stand pipes along the spray rod. The wheels may also be moved at will to track any width of row desired; have iron hubs with internal ratchets; 48 ins. diameter, 3 ins. tires, of best selected stock. The motor is our special Horse Power Duplex that has 2 in. cylinders and 6 in. stroke, double acting, fitted with automatic self-packing, extra long plungers that will run a season and not leak. These plungers can be removed and replaced in five minutes at any time. With the addition of the large air chamber, orchards of peaches, plums, pears and medium sized apple trees may be sprayed in passing, while the largest sized apple trees may be sprayed by circling the tree, or spraying a quarter of each tree in a row, and then recrossing the rows. With a 4-nozzle cluster a stop of two minutes at a time is possible. The nozzle protector is one of the best arrangements yet devised to screen spraying mixtures under pressure. It is made entirely of brass, presents the largest area of double screen, and can be cleaned mechanically from the driver's seat. When it is opened the pressure drives all the sediment back into the tank, and by holding it open the nozzles are stopped and the fluid allowed to flow into the tank till the pressure is gone. This model machine includes automatic and hand pressure regulator, 200 lbs. pressure gauge, automatic nozzle adjuster, patent nozzle protector, cover for motor, arranged for one horse. **Price, complete as shown, $125.00**

The Vineyard Spramotor is the same in every way as above, except the vineyard spray stand pipes have 4 nozzles on vertical pipes, that are, by means of our Patent Nozzle Adjuster, held in vertical position automatically. The nozzle and pipes are adjustable as to width apart; height and each side may be changed as to width. **Price, complete, $120 00. Derrick for tree spraying, $5.00.**

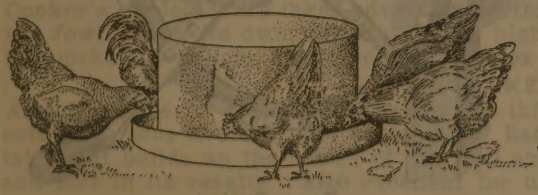


THE FAULTLESS SPRAYER.

Made in brass and tin; throws spray as fine as mist. Adapted for the destroying of every kind of insect. It is economical, will not drip, and its shape is such that as it sprays up or down, all the liquid is pumped out, leaving but a spoonful in the can. It is absolutely the best constructed sprayer of its class ever offered to the trade. For strength and durability it has no equal. The tapering point to air chamber gives great force to the spray; carrying it to the greatest possible distance. This tapering tube also allows the air chamber to be fastened to the tank in the most substantial manner. The tube of air chamber is soldered to top of reservoir and also supported by a broad strip of metal passing over point of tube. The point of air chambe r and small tube through which the liquid passes are thoroughly protected from damage in use or shipping. Piston rod is spring steel wire and cup leather plunger. One-half teaspoonful of Paris Green and once filling with water is sufficient to destroy all the bugs on 1,300 hills of potatoes. **Prices—Tin with Galvanized Tank, 65c; postpaid, $1.00 All Brass, $1.00; postpaid, $1.35**

IMPROVED BRASS GARDEN SYRINGES.

No. 1—Syringe, 16-inch barrel, each $3.50. No. 2—Full size, Reed's 18-inch barrel, ball valve, each $5.00. These Syringes have improved side screws attached, and are the best English make. Best Canadian 18-inch Brass Syringes, $2.00. Improved Zinc Syringes, for fruit trees, 50c each.



McCLARY'S IMPERIAL ENAMELLED CHICKEN FOUNTAIN

A sanitary and continual supply of fresh water is guaranteed. Being made of acid and rust proof enamel on steel, it will not break, and is readily cleaned.

Made in Three Sizes—1 qt. 30c, 2 qts. 40c. 4 qts. 50c.

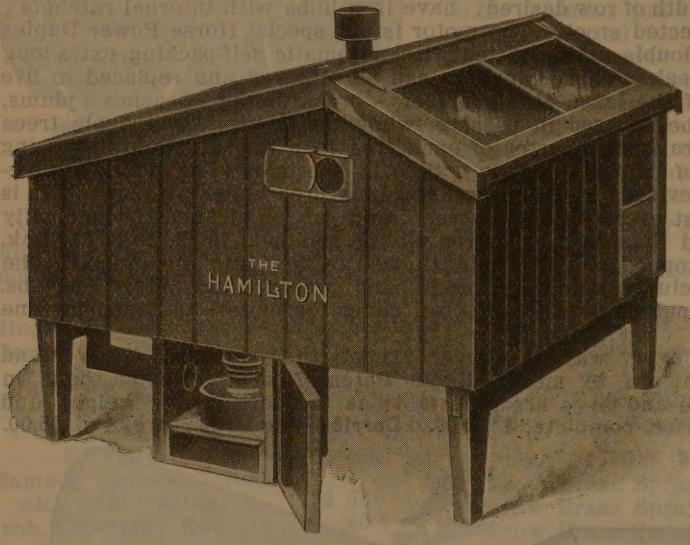
HAMILTON INCUBATORS

This is a strictly first-class machine, easily operated, well made, and of best material, and its hatching qualities are unsurpassed by any machine on the market. Trays are strong plated steel mill wire, thermometers the best, and Smokeless Sun-hinge Burners are used. Egg Tester supplied with each machine. They were awarded diploma at National Exhibition, Toronto, and we will furnish to all applicants catalogues with list of testimonials. It is not a cheap machine, but the best, and guaranteed to give satisfaction.

Prices—No. 1, 40 eggs, $10.00; No. 2, 60 eggs, $13.50; No. 3, 120 eggs, $18.00; No. 4, 240 eggs, $25.00. Prices here.

ACME SPRING LEVER POULTRY PUNCH.

The best and easiest operated machine for marking chicks, etc., so as to keep record of them. 45c each, postpaid.



HAMILTON BROODERS

An out-door brooder is a necessity, for chicks can be reared far more successfully with these than with hens. These are well made, like the incubators, and are guaranteed to give satisfaction. It has an artificial heating arrangement and is built to stand all sorts of weather. An Out-door Brooder is preferable to an In-door one, though we make both, for the Out-door one can be used either indoors or out. It has the best burner and lamp on the market.

Price—Indoor, 120 chicks, $9 here; Out-door, 120 chicks, $10.00 here.

INCUBATOR THERMOMETERS.

75c each, postpaid.

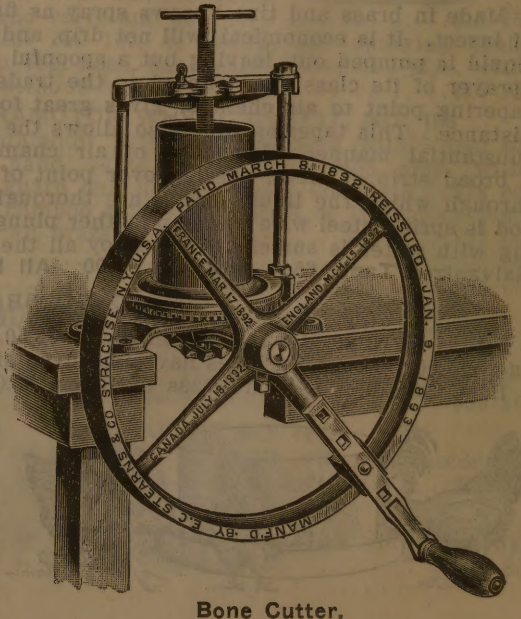
POULTRY CRAMMING MACHINE.

Our Cramming Machines are on an entirely new and improved principle, for the force-feeding of turkeys, fowls, etc. Quantity of food can be regulated to a minimum. Is more simple in construction, having less working parts. The plunger is self-feeding. Entire absence of air in the plunger. Everlasting wear. Is easier worked. Under the complete control of the operator. $12.00 each here.

GREEN BONE, MEAT AND VEGETABLE CUTTER.

The famous Webster & Hannum make, the only make to receive the World's Fair Medal—the only machine having a truly automatic feed.

No. 3,	with fly wheel,	on stand,	weight	260	lbs.	$40 00
No. 7,	" "	"	"	200	"	25 00
No. 6,	" "	"	"	135	"	18 00
No. 6,	" "	for bench	"			15 00
No. 2,	" "	"	"	56	"	15 00
No. 5,	" "	on stand	"	125	"	14 50
No. 4,	" "	for bench	"	46	"	10 00
No. 4,	" crank	"	"	26	"	8 00
Clover Cutter						3 50



Bone Cutter.

GALVANIZED DRINKING FOUNTAIN.

The best up-to-date drinking fountain, easily fitted, easily cleaned, and will not burst if water freezes in them. 1 qt. 30c, 2 qt. 40c, 4 qt. 50c, 8 qt. 70c each here.

IMPROVED CHAMPION LEG BAND.

This is made in one piece in two sizes, adjustable to fit any fowl. Held by double lock, it is impossible for them to fall off. Made of aluminum or copper. Bend broad part of band on your finger to conform to shape of fowl's leg. Put small end through loop, draw through till it fits loosely on the leg, turn the end back, then bend the two lugs over the loose end. Cut off surplus with shears. 1 doz. 25c, 2 doz. 40c, 4 doz. 75c, 100 for $1.50, postpaid.

PURINA POULTRY FEED

A Perfect Poultry Feeding System for Breeders, Poultrymen and Housekeepers, Increasing Healthy, Rapid Chick Development, and Increased Egg Production.

PURINA SCRATCH FOOD

Made from a dozen varieties of choice grains and seeds, each selected to perform its special function in keeping the hens in perfect physical and laying condition. These are mixed in proper proportions to make a perfectly balanced ration—and ground. Feed according to directions, thus keeping the hen's blood in thorough circulation, which makes them lay. **Directions for Feeding**—For every dozen hens use a slack quart of Purina Scratch Food in the spring and summer, and a heaping quart in the fall and winter. Bed the pen with four to six inches of straw (litter), scattering the food in thinly, so that the hens will have to work it out. When you can keep your hens scratching their blood is circulating and good egg production is bound to follow. 6 lbs. 25c, 25 lbs. 85c., 100 lb. bag $2.65.

PURINA BABY CHICK FOOD

Composed of choice grains and seeds—more than a dozen kinds, carefully selected—perfectly granulated to precisely the right degree for youngsters, and screened clean of all fine stuff. This makes a perfectly balanced ration for healthy, hearty and rapid chick development, as well as best digestive results. Avoid feeding meal or other mash foods or table scraps to young chicks. In using Purina Baby Chick Food according to directions you will never lose a chick from feeding causes. **Directions for Feeding**—Little chicks, like children, are hungry all the time, and have to be fed sparingly every few hours in the day. If possible, bed their feeding place with an inch or two of cut alfalfa or clover. Scatter Purina Baby Chick Food in lightly, as much as they can eat up clean. Do not overfeed. 6 lbs. 25c, 25 lbs. 90c. 100 lb. bag $2.70.

PURINA MASH.

Green food and meat ration for moulting and winter eggs. Composed of meat scraps, mill feed, and alfalfa meal from our own mills. This gives the necessary combination of green foods, meat and medicinal qualities necessary for highest egg development. Where all other feeds have failed to produce eggs, Purina Mash has succeeded. A recent experiment with it succeeded in bringing up the egg yield of a flock of White Plymouth Rocks to Leghorn standard. No medicated foods, condimentals or spices required when Purina Mash is used. **Directions for Feeding**—Scald or boil. Feed as much as the hens will eat up clean. Mix in table scraps that can be mixed fine. Do not use coarse bits of scrap, whole bone or gristle. 6 lbs. 25c, 25 lbs. 90c, 100 lb. bag $2.70.

PURINA FATTENING FOOD

A careful, intelligent combination of the best grain known for finishing off market fowls quickly and profitably; ground to a meal. It can either be mixed with sufficient water for a crumbly mash or made into a gruel for use in the stuffing machine. 6 lbs. 25c, 25 lbs. 90c, 100 lb. bag $2.70.

PURINA ALFALFA MEAL

Alfalfa Meal is rapidly taking the place of clover meal as a green feed, and is far more nutritious, containing twice as much protein. It has a rich green color, that looks as succulent and appetizing as it really is. But the ordinary commercial alfalfa meals are expensive—too much bulky fibre—the coarse stems and stalks ground up. We have built two mills and equipped them at heavy expense with special machinery, to grind just the tender, succulent tops and tendrils. Our alfalfa meal is cleaner, purer, more succulent, more appetizing—and more economical because it contains more nutrition to the pound. 6 lbs. 25c, 25 lbs. 80c, 100 lb. bag $2.30.

PURINA GROATINE FOOD

One of the best foods for laying hens, made from hulled oats of good quality. 6 lbs. 25c, 25 lbs. 85c, 100 lbs. $2.30.

PURINA PIGEON FOOD.

Composed of the best grains and seeds, and will give the best satisfaction. 6 lbs. 25c, 25 lbs. 90c, 100 lb. bag, $2.70.

CONKEY'S ROUP CURE.

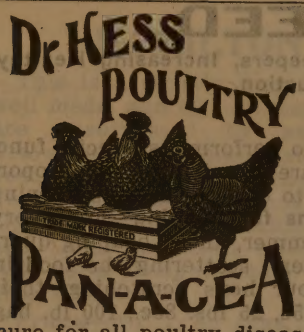
Conquers roup, the most fatal and dreaded disease of the poultry yard, and very contagious. It is usually the result of a cold, contracted in various ways, such as crowded houses, exposure to cold and damp weather, drafty quarters, filthy surroundings, which weaken the constitution of the fowls and make them subject to disease. Symptoms: Sneezing, followed by difficult breathing; discharge from the nostrils and eyes, which quickly thickens, becoming cheesy looking; rattling in the throat; offensive odor, loss of vitality, etc. It is a positive cure for all forms of this disease. We guarantee this. If it should fail your money will be refunded. It is placed in the drinking water, the fowl takes its own medicine without knowing it. Coming in contact with the head and throat membranes, it kills the germs at once. It is quickly taken up by the system, and cleanses the blood and builds up the system. It is equally effective for turkeys and for canker in pigeons. Price—30c box make 10 gallons medicine, 60c box makes 25 gallons medicine, and $1.10 box makes 75 gallons medicine, postpaid.

CONKEYS CHOLERA CURE

Is a positive cure for Bowel Trouble, Indigestion, Diarrhoea, Dysentry, Cholera, etc. in fowls, both old and young. It tones up the system and puts the flock in excellent condition. A fowl which is troubled with disease of the digestive organs usually loses its appetite but becomes very thirsty. Conkey's Cholera Cure takes advantage of this important point as it is given in the drinking water, the fowl taking its own medicine. It is highly recommended for turkeys and pigeons. Price—30c box makes 20 gallons medicine, and 60c box makes 50 gallons medicine, postpaid.

CONKEY'S GAPE CURE.

A truly wonderful remedy for the cure of this disease. It is prepared so that it can be given in the soft feed, thus avoiding the necessity of handling the fowls and relieving the poultryman of all labor. It builds up the health of the fowl and gradually overcomes the worm. It is absolutely sure and safe in its results. Also excellent for use as a preventative. Price, 60c per box, postpaid.



DR. HESS' POULTRY PAN-A-CE-A.

Makes hens lay, prevents all diseases and cures roup, cholera, gapes, leg weakness, etc. For chickens, turkeys, ducks and geese, something every poultry man needs, to have success in the business. It promotes the general good health of the fowl, greatly quickens digestion, and being a tonic, works all the various organs like a piece of machinery. Use Pan-a-ce-a and make your hens lay when eggs are at a high price. It is very valuable for young chickens when they are growing. 24 oz. package 35c, postpaid 60c; 5 lb. package 85c here.

PRATT'S POULTRY FOOD.

A necessity for all who keep poultry, a preventive as well as a sure cure for all poultry diseases, and a guaranteed egg producer. Makes larger fowls, and quickens the growth of young chicks. 8 oz. pkg. 10c, postpaid 20c; 26 oz. pkg. 25c, postpaid 55c; 4 lb. pkg. 50c, 5 lb. pkg. 60c, 12 lb. pkg. $1.25; 25 lb. pkg. $2.50 here.

IDEAL POULTRY FOOD

This excellent preparation is concentrated food made from the most nutritive ingredients possible, and will not injure fowls. Its results are secured not by abnormally exciting the digestive organs, but through its power of invigoration and building up the whole of the animal system. Results from carefully conducted experiments extending over a long period have shown conclusively that it is the best egg producer in existence. Splendid for turkeys, geese, chickens, ducks, pigeons, pheasants and all aviary birds. 26 oz. pkg. 20c, postpaid 50c.

DR HESS' STOCK FOOD

The best food for horses, cattle, hogs and sheep; thoroughly reliable, and guaranteed to give satisfaction. 7 lb. package, 65c; 12 lb. package, $1.00; 100 lb. package, $7.00 here.

PRATT'S ANIMAL REGULATOR.

Highly concentrated. Cures hog cholera, makes pigs grow quickly, dairy cows produce more butter and milk, stops slinking of calves and makes them healthy, and regulates horses. 21 oz. pkg. 25c, postpaid 50c; 42 oz. pkg. 50c here; 72 oz. pkg. 75c here.

PRATT'S STOCK FOOD

An excellent food for horses, cattle, hogs and sheep; guaranteed to give satisfaction, and thoroughly reliable; largely used. 7 lb. pkg. 50c; 12 lb. pkg. 75c; 25 lb. pkg. $1.50; 25 lb. pail, $1.80 here.

DR HESS INSTANT LOUSE KILLER.

Kills lice, ticks, fleas, moths, ants and all kinds of vermin. Probably no single enemy is so universal among stock and poultry as lice. It is not a poison, but lasting, effectual and convenient to use, and the cheapest article that can be had. It is put up in round cans with perforated lids, ready for use. As a deodorizer and disinfectant it is entirely reliable for poultry houses, stables, pigeon lofts, pig pens, sinks, water closets, cesspools, garbage boxes, kennels, etc. It serves as an absolute preventive of disease, and will speedily destroy all parasites that inhabit such places. It is especially adapted for the destruction of sheep ticks, a powder and easy to apply, overcoming the great disadvantage of dipping, and can be applied in cold weather when the wool is long and the ticks are most numerous. 1 lb. tins 35c, postpaid 55c.

PRATT'S LOUSE KILLER

A splendid disinfectant, as well as sure death to lice ,and all such vermin. 5 oz. package 10c postpaid 18c; 16 oz. package 25c, postpaid 45c; 2½lb. package 50c here.

DR. HESS' HEALING POWDER

Cures galls, scratches, grease heel, cuts, ulcers, burns, thrush, foul in the foot, indolent sores and open wounds of every description. It prevents excessive graunlation, commonly known as proud flesh. It is also a reliable antiseptic. Flies will not attack wounds treated with this powder. 4 oz. tin 25c, postpaid 30c.

GRANULATED POULTRY BONE.

A little larger than wheat, and can be fed like any other food in grain, about one handful to every five fowls daily or every other day. In either manner it furnishes a valuable food for poultry at all seasons of the year. 8 lbs. 25c, 100 lb. bag $2.00 here.

CRUSHED OYSTER SHELL.

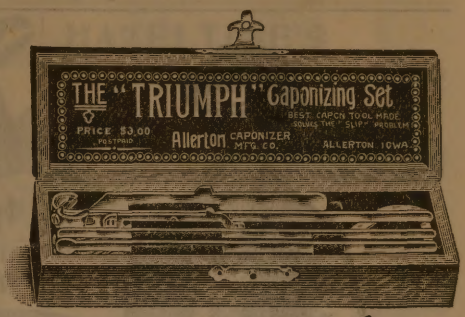
Peerless Brand. All breeders of poultry recognize the fact that a grit of some kind is a necessity. Even where the fowls range, strength and plumpness are gained in providing them with Crushed Oyster Shells. The most frequent cause of the hens not laying is the absence in the food of carbonate of lime. As it is practically pure carbonate of lime, it supplies, when fed to poultry, this most essential element, and greatly aids in the formation of the egg. Stone, lime, gravel, grits, etc., in fact nothing of a mineral character will equal it in beneficial results. 5 lbs. 10c, 25 lbs. 25c, bag of 100 lbs. 75c here .

MICA-SPAR CUBICAL GRIT.

One of the principal reasons why so many do not have success in raising poultry is that the poultry cannot obtain sufficient grit to enable them to masticate their food in a proper manner, and strange to say, this is greatly neglected by a great many. It is necessary to feed some gritty material. It keeps and makes hens healthy, and if it is used you do not require oyster shells. 5 lbs. 10c, 25 lbs. 25c, 100 lb. bag 75c here.

BLOOD MEAL—4 lbs. 25c, 25 lbs. $1.25, 50 lbs.$2.35, 100 lbs. $4.50 here.
MEAT MEAL—7 lbs. 25c, 25 lbs. 75c, 50 lbs. $1.25, 100 lb. bag $2.40 here.
BEEF SCRAPS—4 lbs 25c, 25 lbs. $1.25, 50 lbs., $2.35, 100 lbs. $4.50 here.

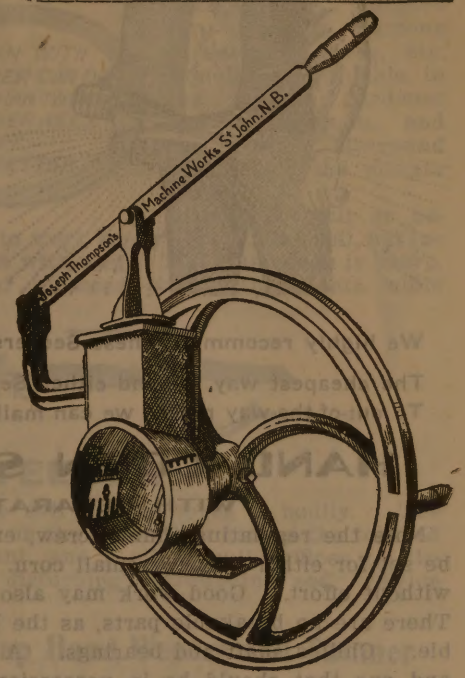
The "Triumph" Caponizing Set



There is no doubt in the minds of up-to-date poultrymen as to the advantages of caponizing. The operation is very simple, and with a "Triumph" Caponizing Set any boy 12 years of age can perform it with safety and thoroughness. Capons, as every one knows, sell on the market as a rule from five to eight cents per pound higher than any other chickens, and the demand is always good, is steadily growing, and at this time a better market is assured the producer in this field than any other. Now is the time to get into the caponizing business, and the first thing, to start right, is to buy a "Triumph" Caponizing Set. No more efficient, simple or more easily operated set is being offered the craft to-day, and you will make no mistake by selecting the Triumph set.

Prices: Set in plush-lined cloth-covered case, postpaid, $3.25; set in polished hardwood box, postpaid, $3.00; set in Japanned wood box, postpaid, $2.75. Instructions furnished with each set.

Thompson's Bone Cutter



Warranted to cut both dry and green bones. If you keep a dozen fowl or more you cannot afford to be without one. This machine must not be confounded with the Bone Mill, as it cuts fresh bones from the butcher, and the latter only grinds dry bones, which do not contain any vegetable matter. This Cutter weighs about 55 pounds; size, tempered steel knives, 3-16 inches thick, and 2¼ inches wide; diameter fly wheel, 20½ inches. We can furnish this machine with crank in place of fly wheel if desired. Price, with crank, $7.50; with fly wheel, $8.50; arranged with pulley for power, $13 here

Sterling Diarrhoœa Remedy

This remedy is guaranteed to relieve young chicks or full grown fowls from diarrhœa, also white diarrhœa and all bowel trouble, unless where young chicks have reached the last incurable stage. It is also a splendid preventive. It is readily taken in their drinking water. Complete directions with the box. Price, box, 60c postpaid.

PRICE LIST OF VALUABLE BOOKS, POSTPAID

Agriculture, A B C of. Weld	$ 55
Alfalfa. Coburn, F. D	55
Asparagus. Hexamer, F. M.	55
Cabbage, Cauliflower and Allied Vegetables. Allen	55
Carrots, Mangold Wurtzels, etc., On. Gregory	35
Celery for Profit. Greiner, T.	35
Crops. Spraying. Weed, Clarence M.	55
Drainage, Farm. French	1 10
Farm Appliances	55
Farm Grasses of the United States. Spillman, W. J.	1 15
Fertilizers, On. Gregory	35
Fertilizers and Crops. Van Slyke, Dr.	2 50
Forage Crops Other Than Grasses. Shaw, Thomas	1 10
Fungi and Fungicides. Weed, Clarence M.	1 10
Gardening for Pleasure. Henderson, Peter	1 65
Gardening for Profit. Henderson, Peter	1 65
Garden Making. Bailey, L. H.	1 65
Hedges, Windbreaks, etc. Powell, E. P	55
Insects and Insecticides. Weed, C. M	1 65
Manure, Farming with Green. Harlan	1 10
Market Gardening and Farm Notes. Landreth	1 10
Mushrooms. Falconer, Wm	1 10
Onion Culture, the New. Greiner	55
Plant Life on the Farm. Masters	1 10
Practical Garden Book. Hunn, C. E.	1 40
Silos, Ensilage and Silage. Miles, Manly	75
Soiling Crops and Silo. Shaw, Thomas	1 65
Soil, The. King, T. H.	1 65
Tomato Culture	55
Tobacco Culture	40
Vegetable Gardening. Watts, R. L.	2 25
Bulbs and Tuberous Rooted Plants. Allen, C. L.	1 65
Floriculture. Practical. Henderson, Peter	1 65
Home Floriculture, by C. N. Page, a valuable 175 page book on Flowers and Bulbs, giving cultural directions, etc.	30
Fruit Grower, Practical. Maynard	55
Forcing Book. Bailey, L. H	1 40
Forestry, Practical. Fuller, A. S	1 65
Fruit Growing, Principles of. Bailey, L. H.	$1 65
Horticulturists' Rule Book. Bailey, L. H	1 10
Profitable Gardening, Principles of. Bailey, L. H.	1 65
Fumigation Methods. Johnson, W. G.	1 10
Grape Growers' Guide. Charlton	85
Grape Growing and Wine Making. Husman, Prof. G.	1 65
Greenhouse Construction. Taft, Prof. L. R.	1 65
Greenhouse Management. Taft, Prof. L. R.	1 65
Nursery Book. Bailey, L. H.	1 65
Plants, Propagation of. Fuller, A. S.	1 65
Plants, Your. Shehan, James	45
Plants, First Lessons With. Bailey, L. H.	85
Plant Culture, Oliver, G. W.	1 50
Rose, On the. Parsons	1 10
Small Fruit Culturist. Fuller, A. S.	1 10
Strawberry Culturist. Fuller, A. S.	35
Sweet Peas, Wright, W. P.	1 10
Window Flower Garden. Heinrich	55
Landscape Gardening. Waugh, F. A.	55
Ornamental Gardening for Americans. Long	1 65
Animal Breeding. Shaw, Thomas	1 65
Cattle Doctor, American. Dadd, Prof. Geo. H.	2 25
Feeds and Feeding. Henry, W. A.	2 25
Key to Profitable Stock Feeding. Myrick, Herbert	35
Milk and its Products. Wing, W. H	1 40
Pig, Harris on the. Harris, Joseph	1 10
Dog Breaking, Hints on. Floyd, William	55
Horse Doctor, Modern. Dadd, G. H.	1 10
Beekeeping Explained, Mysteries of. Quimby	1 10
Egg Farm, New Revised. Stoddard, H. H.	1 10
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Canary Birds. New and Revised Edition	55
Hunter and Trapper. Thrasher, H.	55
Taxidermy. Practical. Batty, J. H.	1 10
Barn Plans and Outbuildings	1 10
House Plans for Everybody. Reed	1 10
Methods of Making Manures. Bommer, Geo.	40
Weeds and How to Eradicate Them. Shaw, Thos.	85

PLANT STAKES.

We offer Bamboo Canes for staking plants, as follows: Light weight, 3 ft. tall, at 60c; medium weight, 6 ft. tall, at $1.00; strong, 8 ft. tall, at $1.25 per 100; dyed green, 2 ft., $1.00, 3 ft. $1.25, 4 ft. $1.50 per 100; also Painted Wooden Stakes, 8 inches tall, at 60c; 10 inches tall, at 80c; 12 inches tall, at $1.00 per 100 here. Require to go by express.

The Little Giant Geared Hand Broadcast Seed Sower

The greatest labor-saving invention of the age. The strongest, prettiest, lightest and easiest running Seeder made. The agitator or force feed is of great advantage. It has also, among other advantages, a pressed tin distributing wheel, hand hold on the side, and no feed plate to carry. They will pay for themselves many times in one season. Satisfaction guaranteed. It will distribute all kinds of fertilizer, land plaster or ashes. Flax and Clover Seed, 36 feet to the round; Wheat, 50 feet to the round; Buckwheat, 46 feet to the round; Barley, 40 feet to the round; Timothy Seed, 27 feet to the round; Oats, 36 feet to the round. **Price, $1.50 here.**

The Little Giant No. 2

Made by same manufacturer and on the same plans as the above Seeder, but not quite so large, and consequently will not do as much work in the same time. It is also of lighter make, but will do just as good work. **Price $1.25 here.**

We highly recommend these Seeders, and have many letters testifying to their great usefulness.

The cheapest way to send either Seeder is by express, which costs 25c to 50c to most places. To out-of-the-way places we can mail them for 75c extra.

HAND CORN SHELLER

WITH SEPARATOR

Note the regulating thumb-screw, enabling the sheller to be set for either large or small corn. It shells clean and without effort. Good work may also be done on Pop Corn. There are no breakable parts, as the light pieces are malleable. Chilled shaft and bearings. A very useful implement, and one that should be in possession of every farmer that uses corn. Weight racked, 20 pounds. **Price $2.00 here.**

No. 32 Hand Grinding Mill

In this are embodied all the good features of other hand grinding mills, to which have been added universal burrs or grinding plates that are adjustable for grinding coarse or fine. This machine grinds oats, barley, rye, corn, peas, dry bone, shells, etc., for feeding to poultry. It is strong and well made throughout and of excellent finish, has a 16-inch fly wheel, and is light running. Weight 40 lbs. The capacity of this mill is not equalled by any other of the same size. **Price $5.00 here.**

HAND GRINDING MILLS

For Corn, Coffee, Spice, Etc.—These well known mills have attained a large sale, purely on their merits as rapid grinders. The grinding parts are all made of a specially good tough iron, which renders them durable, and they will last for years. When necessary, however, they may be renewed at a small cost. The capacity ranges from one to two bushels per hour, accordingly as the mill may be set for fine or coarse grinding. The mills may be adjusted to grind corn meal for table use, or only for cracking the grain. The product is evenly ground, whether the mill be set for coarse or fine work. They are very simple in construction, and not liable to get out of repair. The shaft is of steel. They are made all ready for attachment to table. The finish is quite attractive, painted wine color and varnished, with gilt ornamentation. Each mill is racked separately for safe transportation. Weight 25 pounds. **Price $3.00 each here.**

Hand Grinding Mill.

THE LIGHTNING Potato Eyecutter

does the work many times faster and more accurately than the knife. It is gauged to cut enough flesh with each eye to strengthen and vitalize it, and does the work in a scientific manner. No matter how small a crop you intend to plant you should use this cutter. It has been proved conclusively that potatoes cut to a single eye give the best results.

Price 30c by mail, postpaid.

HAZELTINE'S HAND WEEDER

An invaluable tool in the garden. 35c each postpaid.

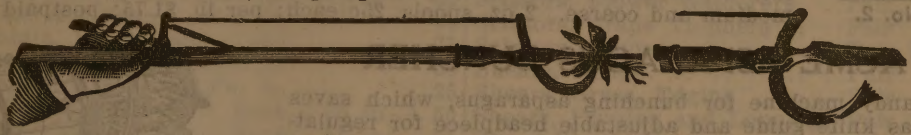
Especially adapted for working among carnations, roses, etc. Equally as valuable to the market gardener and nurseryman, and the best all-round weeder for the private garden.

BROWN'S EASY WEEDER

PAT. BY THOMAS L. BROWN, SEPT. 27, 1904

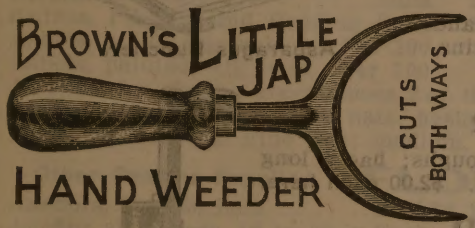
ONE MAN WITH THIS **WEEDER** CAN DO MORE WORK THAN TWO CAN DO WITH ANY OTHER WEEDER ON THE MARKET "AND DO IT BETTER"

Does not cut or destroy the roots of the plants. The pushing edge is thin enough to work easily through the soil, but too dull to damage the stems of the plants should it come in contact with them. The inner edge is sharp. Takes out all the weeds, its oval shape permitting the operator to weed behind the plants while standing in front. 35c each here, 45c postpaid.



CLEVELAND LAWN WEEDER

No More Broken Backs—This device gets at the root of the evil and removes it bodily. The curved edge of the blade enters and loosens the soil; pressure on the lever then causes the toothed jaw to grasp the plant, and a slight pull suffices to dislodge same without disturbing surrounding sod. Price 75c each here.



Brown's Little Jap Hand Weeder and Thinner

It does the work rapidly and in a thorough manner, and will work two rows at a time. It has four cutting edges, can be used right or left handed, and does no injury to plants no matter how small. 25c each, postpaid 30c.

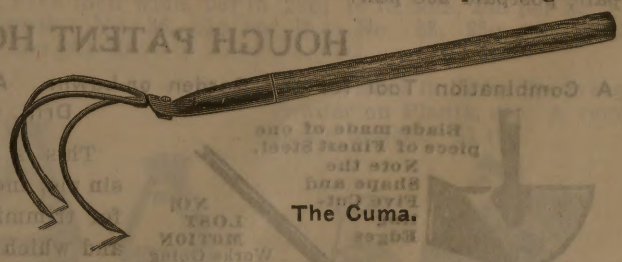
THE "BUCO" GARDEN CULTIVATOR

Cleans Weeds Out by the Roots.

For preparing soil, cultivating, weeding and clearing there is no tool equal to it. The "Buco" Cultivator has 5 prongs of crucible spring steel, oil tempered, which can be adjusted to make a broad or narrow tool, and one or more prongs can be removed, if desired for special work. It cleans all weeds out by the root and loosens the soil thoroughly. These are the two great essentials in gardening. It saves an immense amount of labor. It keeps the garden clean and healthy, and grows better crops. Around vegetables, shrubs, hedges and trees it does great work. Price $1.00 each here.

THE CUMA

Made by same manufacturers, for small gardens and such use. Very useful, especially for flower beds. Price 35c each, postpaid 50c each.

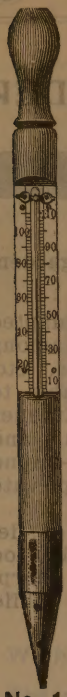


The Cuma.

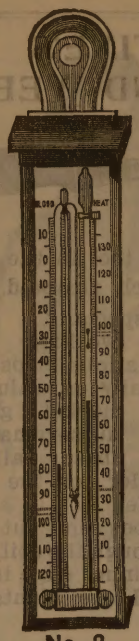
THE CAXTON CULTIVATOR

Extracts weeds by roots and keeps soil fine and loose; saves labor. A little smaller and lighter than the Buco. A capital tool for close rows. Price 75c each here.

Handle 4 feet long.

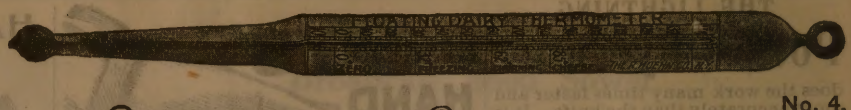


No. 1.



No. 2.

No. 3.



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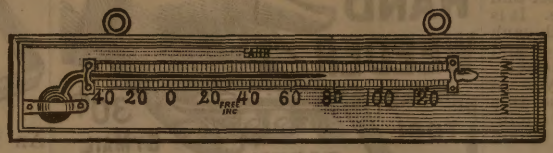


No. 5.

THERMOMETERS

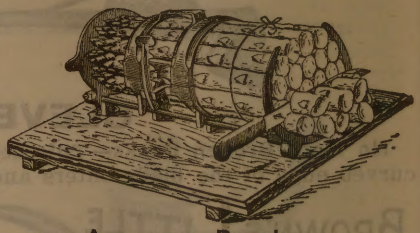
We illustrate herewith No. 1 Hotbed Thermometer, $1.50; No. 2, maximum and minimum registering, $2.00; No. 3, ordinary, 30c to 75c, nickel cases $1.00, extra fine $1.00 to $2.00; No. 4, dairy, 30c; No. 5, maximum or minimum registering, 75c each. We also carry long distance thermometers, 30c, and for incubators, 75c each. All postpaid 10c each extra. Our stock of these is large, and from the best manufacturers; all tested and guaranteed.

SILKALINE

For florists, for stringing Smilax and other trailing plants. It is very strong, and a fast color; color green, and does not fade; made in three sizes—fine, medium and coarse. 2 oz. spools, 25c each; per lb. $1.75; postpaid $2 per lb.

ACME ASPARAGUS BUNCHER

A very handy machine for bunching asparagus, which saves time. It has knife guide and adjustable headpiece for regulating length of bunch. No. 1 makes 3 to 3½ inch bunch, and No. 2 makes 4 to 5 inch bunch. Each $1.75 here.



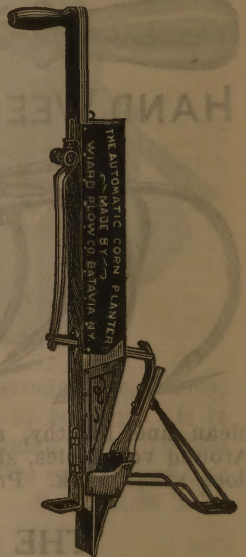
Asparagus Buncher.

SURE THING FLY KILLER OIL

The best compound for keeping flies off horses and cattle and killing lice on hens, etc. In 1 quart tins, 40c; in ½ gallon tins, 65c; in strong gallon tins, $1.10 here.

CLEAN CUT TREE PRUNER

An invaluable implement in the orchard for lopping off boughs; has a long handle by which you can reach 11 or 12 feet from the ground. $2.00 each here.



AUTOMATIC CORN PLANTER

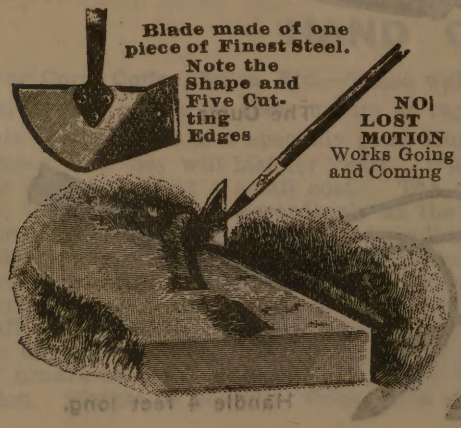
The only reliable Corn Planter we have seen. Worked with one hand. It does the work thoroughly and saves a great deal of time and labor. Highly recommended. Price $1.75 each here.

REGAL GARDEN GLOVES

A strong useful glove, giving full use of the fingers, but protecting the hand. Just the thing for garden work and also on the farm. There is a big demand for them, and they are well made and will wash, thus lasting a long time. Made in men's sizes, large and medium, and also women's and boys' sizes, 15c pair, postpaid 20c pair.

HOUGH PATENT HOE

A Combination Tool for the Garden or Lawn. A Weeder, Edger, Hoe, Drill, Spade and Sod Cutter.



This is an improved form of implement and provides a simple, inexpensive tool which may be conveniently used for trimming the edges of lawns, walks, and flower beds, and which may also be used as a weeding shuffle hoe and as a sod cutter around fruits and other garden truck. Where it has been used in parks and on lawns it has been universally recommended. It can be used where any other hoe is used, even to chop cotton, a it is an excellent implement to dig weeds with. To use this hoe, you "push and pull," or dig the same as with a spade, and for that reason can be used advantageously in places close to fences, around flower beds, walks, etc. Price $1 each here.

GARDEN REQUISITES AND GARDENERS' SUPPLIES

Aphis Punk, for fumigating, per box			$0 80
Aphicides	Each		50
Asparagus Buncher	Each		1 75
Atomizers and Sprinklers	Each		50
Bouquet Papers, 4 to 5 inch, per doz.		$0 50 to	75
Button-hole Tubes	Each		5
Bellows, for dusting plants	Each	75 to	1 50
Baskets, Berry, per 1,000			4 00
" Plant, per 1,000			6 00
" Fruit, 12 qt., per 100			4 00
" 24 qt. Crates, per doz			1 75
" Pickers, per doz			1 00
" Wire, hanging	Each	25 to	1 00
Binder Twine, 650 ft.	Lb.		13
Binder Twine, 600 ft.	Lb.		12
Chenille, per 12 yards			50
Cape Flowers, per bunch, wired			20
Corn Planters	Each		1 75
Doves for Florists	Each		1 75
Flower Pots and Saucers, 2 to 12 in.		3 to	60
" " fancy, 5 to 8 in.		15 to	1 00
" Japanese ware, 7 to 12 in.		1 00 to	3 00
" Hanging	Each	20 to	50
Fern Pots, 6 to 10 inch	Each	10 to	50
Florists' Companions	Each		75
Forks, Potato and Manure	Each	1 00 to	1 50
Grass Catchers	Each	1 00 to	2 00
Grafting Wax, French	Per tin	30 to	50
Grafting Wax, American	Per lb.		30
Glaziers' Points, VanReypers, 1,000			75
Grass, China, for tying	Per lb.		30
Grass, Roffea, for tying	Per lb.		25
Hooks, Briar and Bill	Each	1 00 to	1 50
Hoes, Garden	Each	50 to	75
Hoes, Dutch or Scuffle, 4 to 8 in. ea.		45 to	70
Iron, Edging	Each		1 25
Immortelles, purple, red, white, bunch		40 to	50
Jardinieres	Each	25 to	1 75
Knives, Pruning and Budding	Each	75 to	1 75
Labels, plain, 4½ inch	Per 100		15
Labels, painted, 4½ inch	Per 100		20
Line, Garden	Each	$0 25 to	$0 50
Lawn Vases	Each	75 to	3 50
Labels, Tree, with wire	Per 100		20
Moss, Dried Green, Yellow or Red, per bunch			15
Pampas Plumes, red, white and blue		15 to	20
Plant Stakes, cane, 3 to 6 ft., per 100		60 to	1 00
Pot Covers, fancy paper	Each	10 to	25
Pot Covers, Lattice	Each		10
Pots, Watering	Each	50 to	1 50
Pencils, Waterproof	Each		10
Plows	Each	2 50 to	10 00
Pruner, Tree, clean cut	Each		2 00
Rakes, best cast steel	Each	50 to	1 00
Rakes, English Lawn	Each	1 50 to	2 00
Reels for Garden	Each	75 to	1 50
Rustic Chairs	Each		1 25
Rustic Vases	Each		1 00
Rustic Sofas	Each		2 50
Rollers, Garden	Each	10 00 to	15 00
Saws, Pruning	Each	1 00 to	1 50
Scythes, Patent English, 36 to 42 in.		1 50 to	1 75
Scythe Stones	Each	10 to	20
Shovels	Each	50 to	1 00
Spades, English, Parke's	Each		1 50
Spuds, for Thistles, etc.	Each	40 to	75
Sphagnum Moss	Per bale		1 50
Scissors, Flower Gatherers	Pair		50
Scissors, Grape Thinners	Pair		75
Scissors, Pruners	Pair	1 00 to	3 00
Shears, Hedge	Pair	75 to	2 00
Shears, Grass, Edging	Pair	50 to	2 00
Shears, Pruning and Lopping	Pair	50 to	2 50
Sheep Dip, Little's	Per bottle		75
Tobacco Stems	Per 100 lbs.		2 00
Tooth Picks, Florist's	Per box		15
Trowels, English	Each	35 to	50
Trowels, American	Each		25
Twine	Per lb.	25 to	50
Triers, for drawing samples	Each		1 25
Wreaths, Metal or Dried Flower, each			1 50

Mastica, for glazing greenhouses, 2 qt. tin, $1; 4 qt. tin $1.75; machine for applying same, $1.75 each.
Roffea, colored, for making hats, baskets, etc. Red, green, blue, black, brown, etc. ¼ lb. 20c, lb. 60c.
Reed, for weaving. Fine ,50c; medium, 45c; coarse, 40c per ¼ lb. Each 15c oz. postpaid.

FLORAL DESIGNS

Other Designs Supplied. Catalogue on Application.

Anchors, 8 to 30 inch	Each	$0 10 to	$0 70
Anchor and Cross, 12 to 24 in.	Each	18 to	35
Broken Column, 12 to 36 in.	Each	25 to	90
Broken Links, 12 to 16 in	Each	25 to	50
Crosses, 8 to 30 inch	Each	3 to	24
Crowns, 7 to 14 inch	Each	25 to	60
Faith, Hope and Charity, 20 to 30 in		70 to	1 20
Gates Ajar, 18 to 24 inch	Each	1 10 to	1 60
Harps, 14 to 24 inch	Each	35 to	75
Hearts, 8 to 16 inch	Each	10 to	25
Horseshoes, 6 to 16 inch	Each	7 to	25
Maltese Cross, 8 to 20 inch	Each	$0 10 to	$0 40
Oddfellows' Links, 18 to 24 in.	Each	35 to	60
Pillows, single, 10 to 30 inch	Each	15 to	60
Pillows, double, 8 to 24 inch	Each	39 to	1 00
Pyramids, 12 to 24 inch	Each	25 to	45
Shields, 12 to 21 inch	Each	20 to	30
Sickles, 12 to 20 inch	Each	12 to	24
Stars, 7 to 18 inch	Each	7 to	20
Square and Compass, 14 to 24 inch	Each	35 to	85
Triangles, 12 to 21 inch	Each	15 to	50
Wreaths, 6 to 24 inch	Each	3 to	25

Cocoanut Fibre—Unequalled for seed beds, mulching, etc. Per bag, $1.00.
Tinfoil—(Subject to change. Five inch wide, per lb. 25c; 10 lb. lots, 20c per lb.
Wire, Annealed—No. 24, 20c per lb.; No. 26, 25c per lb.; No. 28, 25c per lb.; No. 30, 30c per lb.; No. 36, 35c per lb.

Insect Powder Bulb for Spraying Powder on Plants, etc. A very handy article. $1.10.

Rubber Putty Bulb. No. 1, $1.10; No. 2, 90c; No. 3, 75c; No. 4, 60c; No. 1 Angle, $1.10; No. 2, $1.

RUBBER PUTTY BULB, PRICE $1.10.
Excellent for glazing. A pressure with the hand ejects the putty along sash bars, makes tight and neat joints, does not daub glass or stick to hands.

SCOLLAY'S RUBBER PLANT SPRINKLERS.
Indispensable for floral work and window gardening, and very useful for dampening clothes or sprinkling in any way.

If Putty Bulbs, Powder Bulbs or Sprinklers are wanted by mail, add 10c postage on each.

VEGETABLE SEEDS

PAGE

Artichoke 7
Asparagus 7
Beans ..... 3 and 4 and 8
Beet ..... 4 and 9
Borecole 7
Broccoli 7
Brussels Sprouts 10
Cabbage ..... 2 and 10 and 11
Carrots 12
Cauliflower ..... 5 and 12 and 13
Celery ..... 13 and 14
Chervil, Curled 14
Chicory 14
Chives 14
Corn, Sweet ..... 3 and 14 and 15
Corn, Salad 14
Cress 16
Cucumber ..... 15 and 16
Egg Plant ..... 16 and 17
Endive 16
Garlic 17
Herbs 30
Kohl-Rabi 17
Leek 17
Lettuce ..... 2 and 17
Melon, Musk ..... 3 and 18
Melon, Water 19
Mushroom ..... 19 and 20
Mustard 19
Novelties ..... 2 to 6
Okra 22
Onion Seed ..... 20 and 21 and 22
Onion Sets 22
Parsley 22
Parsnips 22
Peas ..... 5 and 22 and 23 and 24
Pepper ..... 4 and 24
Potatoes ..... 6 and 25
Pumpkin 25
Radish ..... 4 and 25 and 26
Rhubarb 26
Salsify 27
Spinage 27
Sea Kale 26
Squash ..... 2 and 27 and 28
Tomato ..... 5 and 28 and 29
Turnip 29

FIELD, CLOVER GRASS AND TREE SEEDS, ETC.

Bags Cotton 40
Barley ..... 6 and 35
Beans, Field ..... 35 and 40
Beans, Soy or Soja 38
Beet, Sugar ..... 31 and 113
Broom Corn 35
Bird Seed and Supplies 30
Buckwheat 35
Carrot, Field ..... 31, 32 and 113
Clovers 36
Corn, Field, Fodder ..... 35 and 36
Cream Equivalent 40
Emmer or Speltz 39
Flax, Flax Seed Meal 40
Fruit Seeds 30
Grass Seeds 37
Grass Mixtures 37
Grass, Lawn 38
Hedge Seeds 30
Kale, Thousand Head 34
Kaffir Corn 35
Lentils 40
Mangel ..... 32 and 33 and 113
Millets 38
Nitro Culture 40
Oats ..... 6 and 39
Oil Cake 40
Pasture Mixtures 37
Peas, Field 38
Peas, Cow 38
Rape, Sowing 34
Rye 39
Speltz or Emmer 39
Sugar Cane 40
Sunflower 40
Tares and Vetches 39
Tobacco Seed 40
Tree Seeds 30

PAGE

Turnip, Swede ..... 6, 33 & 34 & 113
Turnip, Varieties 34
Wheat, Spring ..... 6 and 39
Wild Rice 40

FLOWER SEEDS

Abronia 46
Abutilon 46
Achillea 46
Aconitum (Monkshood) 46
Acroclinium 75
Ageratum ..... 43 and 46
Agrostemma 46
Alyssum 46
Amaranthus 46
Ampelopsis (Japan Ivy) 46
Antirrhinum (Snapdragon) 47
Aquilegia (Columbine) 47
Arabis 47
Arctotis 47
Aristolochia 47
Artemisia (Summer Fir) 42
Asparagus (Ornamental) 47
Asters ..... 42 and 48 and 49
Auricula 47
Balsam 50
Baloon Vine 50
Bartonia 50
Beans, Butterfly 68
Begonia 50
Bellis, (Daisy) 55
Brachycome (S. River Daisy) 50
Browallia 50
Calceolaria 51
Calendula (Pot Marigold) 50
Calliopsis (Coreopsis) ..... 50 and 51
Campanula 51
Canary Bird Flower 50
Candytuft 51
Canna 51
Canterbury Bell 51
Carnation 52
Castor Oil Beans (Ricinus) 51, 52
Celosia (Cockscomb) 53
Centaurea 52
Cerastium 52
Chelone 52
Chinese Primrose ..... 66 and 67
Chrysanthemum 53
Cineraria 53
Clarkia 52
Clematis 52
Climbing Hop (Humulus) 58
Collections Flower Seeds 41
Cobæa 54
Cockscomb (Celosia) 53
Coleus 54
Columbine (Aquilegia) 47
Convolvulus ..... 54 and 61
Cordyline (Dracæna) 54
Corn Rainbow 42
Cornflower (Centaurea) ..... 52 & 54
Cosmos 54
Cowslip 54
Cucumis or Cucumber 54
Cyclamen 54
Cypress Vine 54
Cyperus (Umbrella Plant) 54
Dahlia ..... 55 and 78 and 79
Daisy ..... 53 and 55
Daisies, Burbank's Shasta 53
Datura (Trumpet Flower) 55
Delphinium (Larkspur) ..... 43 & 59
Dianthus (Pinks) ..... 55 and 56
Dictamnus 55
Digitalis (Foxglove) 57
Dimorphotheca (Marguerite) 43
Directions re Flower Seeds 41
Dolichos (Hyacinth Bean) 55
Dracæna (Cordyline) 54
Dusty Miller (Cineraria) 53
Echinocystis (Cucumber) 54
Eschscholtzia (Cal. Poppy) 56
Everlasting Flowers 75
Euphorbia 56
Everlasting Pea ..... 42 and 56
Ferns 56
Feverfew (Matricaria) 60
Flax, Flowering (Linum) 59
Forget-Me-Not (Myosotis) 56
Foxglove 57
Freezia 56

PAGE

Fuchsia 56
Gaillardia 57
Gas Plant 55
Geranium 57
Gl. Amaranth (Gomphrena) 75
Gloxinia 57
Godetia 57
Golden Feather (Pyrethrum) 67
Gourds Ornamental 57
Grevillea (Tree Fern) 57
Gypsophila ..... 57 and 58
Hedysarum (Honeysuckle) 58
Helianthus (Sunflower) ..... 69 and 70
Helichrysum (Everlasting) 75
Heliotrope 58
Helipterum 75
Heuchera 58
Hibiscus 58
Hollyhocks 58
Honesty 58
Hunnemania 58
Humulus or Hop 58
Ice Plant 59
Impatiens 58
Incarvillea 59
Ipomea ..... 42 and 61
Ivy (Ampelopsis) 46
Jacobea (Senecio) 58
Kenilworth Ivy (Linaria) 59
Kochia Scoparia 59
Larkspur (Delphinium) 59
Lantana 59
Lavatera 59
Lathyrus (Everlasting Pea) 42 and 56
Linaria 59
Linum (Flowering Flax) 59
Lobelia 60
Lophosphermum Scandens 59
Lychnis 60
Lupinus ..... 44 and 60
Malope 60
Martynia 60
Marvel of Peru (Mirabilis) 61
Maurandia 60
Marigold ..... 59 and 60
Marguerites (Chrysanth'm'm) 53
Mathiola (Night Sct. Stock) 60
Matricaria (Feverfew) 60
Mignonette ..... 44 and 60 and 61
Mimosa (Sensitive Plant) 68
Mimulus (Musk) 61
Morning Glory 61
Moonflower (Ipomea) 61
Monkshood (Aconitum) 46
Musa (Banana Tree) 60
Myosotis (Forget-Me-Not) 56
Nasturtium ..... 43 and 62 and 63
Nemophila 63
Nicotiana (Orn Tobacco) 61
Nigella (Love in a Mist) 44 and 63
Nolana 63
Novelties Flower Seeds ..... 42 to 45
Œnothera (Ev'g Primrose) 63
Ornamental Grasses 75
Oxalis 63
Pansy ..... 63 and 64
Passion Flower 63
Perilla 63
Pentstemons 63
Petunia ..... 64 and 65
Phlox 65
Portulaca 66
Primula (Chin. Primose) 66, 67
Primrose, Japonica 67
Primula Obconica ..... 43 and 67
Primula Forbesi 67
Primula Kewensis ..... 43 and 67
Primrose, English 67
Primrose Evening 63
Pinks ..... 55 and 56 and 67
Primrose, Polyanthus 67
Poppy ..... 42, 44, 65 and 66
Pyrethrum 67
Rhodanthe (Everlasting) 75
Ricinus ..... 51 and 52
Rocket, Sweet 67
Rosa (Liliput Roses) 67
Salpiglossis 67
Salvia (Flowering Sage) ..... 44 & 68
Saponaria 67
Scabiosa (Sweet Scabious) 68
Schizanthus 68

PAGE

Solanum 69
Scarlet Runner Bean 68
Sensitive Plant (Mimosa) 68
Smilax 67
Snapdragon (Antirrhinum) 47
Stevia 69
Stocks ..... 44 and 69
Stokesia 68
Streptocarpus 68
Sunflower (Helianthus) ..... 69 & 70
Sweet Alyssum ..... 46 and 73
Sweet Peas ..... 45 and 70 to 73
Sweet Sultan (Centaurea) 73
Sweet William (Dianthus) 73
Thunbergia 74
Torenia 74
Tobacco, Ornamental 61
Trumpet Flower (Datura) 55
Umbrella Plant (Cyperus) 54
Verbena 74
Vinca 74
Violet, Sweet 75
Virginia Stock 74
Wallflower 75
Wild Cucumber 54
Wild Flower Mixture 75
Xeranthemum (Everlasting) 75
Zinnias 74

MISCELLANEOUS

Asparagus Buncher 111
Axle Grease 108
Binder and Grape Twine 112
Bone Cutters ..... 104 and 107
Books, Agricultural 107
Bulbs, Spring Flowering 76-79
Conditions of Sale 7
Corn Sheller 109
Corn Planter 111
Cultivators, Hand, Horse 93-98
Cultivator, Buco & Hough 110
Dahlias ..... 78 and 79
Delivery of Goods 7
Electric Insect Exterm 92
Floral Wire Designs 110
Freight and Express Rates 1
Florists' Supplies 111
Fertilizers ..... 40 and 91 and 92
Fly Killer Oil 111
Gladiolus ..... 76 and 77
Gloves 111
Garden Tools 91-112
Grass Edger ..... 97 and 100
Glazing Putty 112
Harrows 98
Hoes Horse, Hand 93 98-111
Horticultural Ware 110
Hose 103
Implements ..... 93 to 111
Incubators and Brooders 104
Insecticide 92
Lawn Mowers ..... 99 and 100
Lawn Cleaner 100
Lawn Sand, Climax 91
Lawn Sprinklers 108
Lawn Trimmer ..... 97 and 100
Mills, Grinding 109
Nitro Culture 40
Ordering Seeds 1
Plants ..... 7, 26, and 80 to 90
Plows ..... 93 to 98
Potato Eye Cutters 109
Postage on Seeds 7
Poultry Supplies ..... 104 and 107
Pulverizer, Planet Jr. 98
Rakes ..... 93 to 98 and 111
Reeds for Weaving 111
Remitting Money 1
Seed Drills ..... 93 to 97
Seeders, Hand ..... 93 to 97
Sheep Dip 108
Silkaline 111
Spray Pumps ..... 101, 102 and 103
Sprayers, Hand 103
Stakes Plant 107
Suggestions to Customers 1
Syringes 103
Sprinklers, Plant ..... 103 and 111
Terms 1
Thermometers 111
Tree Pruner 111
Weeders, Hand & Lawn 109
Weed Killer ..... 91 and 92

Twemlow's Old English GLAZING PUTTY { Half liquid, superior to ordinary putty; will not crack or peel. 1 gallon glazes 300 lineal feet. Apply with Scollay's Putty Bulb. 1 quart, 60c; ½ gallon, $1.00; 1 gallon, $1.75.

GRAPE TWINE.

We offer a splendid brand for tying grapes, etc. Price, 15c lb., 25 lbs. $3.50; 100 lbs. $13.00 here.

CHANGE IN PRICES.

Note—Marrowfat Peas, priced on pages 24 and 38, should read: 20c qt., 80c peck, $3.00 bushel. Advance Blue Prussians to: peck 80c, bushel $3.00. Other Peas, page 38, advance 10c pk., 25c bush.

SEEDS IN COLLECTIONS

No. 1—Vegetable. 1 pkt. each Beet, Cabbage, Carrot, Lettuce, Onion, Parsnip, Radish and Turnip, our selection; 8 packets. Retail value 40c, **for 25c postpaid.**

No. 2—Vegetable. 1 pkt. each Beet, Cabbage, Carrot, Cucumber, Lettuce, Water Melon, Onion, Parsnip, Parsley, Pumpkin, Radish, Spinage, Squash, Tomato and Turnip, our selection; 15 packets. Retail value 75c, **for 50c postpaid.**

No. 3—Vegetable. 1 pkt. each Beet, Cabbage, Carrot, Cucumber, Lettuce, Onion, Parsley, Parsnip, Pumpkin, Radish, Spinage, Squash and Turnip, ½ pint Garden Beans, ½ lb. Sweet Corn and ¼ pint Garden Peas, our selection. Retail value $1.10, **for 75c postpaid.**

No. 4—Vegetable. 1pkt. each Beet, Cabbage, Carrot, Cucumber, Lettuce, Water Melon, Onion, Parsley, Parsnip, Pumpkin, Radish, Spinage, Squash and Turnip, 1 pint each Garden Beans, Sweet Corn and ½ pint Garden Peas, our selection. Retail value $1 40, **for $1.00 postpaid.**

No. 5—Root Seeds. 1 pkt. each 2 best varieties Sugar Beets, 2 best varieties Field Carrot, 3 best varieties Mangels, and 3 best varieties Field Turnips, our selection. Retail value 50c, **for 35c postpaid.**

No. 6—Floral. 1 pkt. each Balsam, Candytuft, Cockscomb, Dianthus (Pinks), Larkspur, Phlox Drummondii, Petunia and Zinnia, 8 packets. Retail value 40c, **for 25c postpaid.**

No. 7—Floral. Bruce's Royal Nosegay Sweet Peas. See page 41. Eight exquisite distinct varieties. Retail value 40c, **for 25c postpaid.**

No. 8—Floral. Bruce's Spencer Novelties Sweet Peas. See page 41. Six grand new sorts. Retail value 65c, **for 50c postpaid.**

No. 9—Floral. Bruce's Peerless Dwarf Nasturtiums. See page 41. Seven grand distinct varieties. Retail value 35c, **for 25c postpaid.**

No. 10—Floral. Bruce's Peerless Tall Nasturtiums. See page 41. Seven splendid distinct varieties. Retail value 35c, **for 25c postpaid.**

No. 11—Floral. Bruce's Empire Asters. See page 41. Five superb distinct varieties. Retail value 45c, **for 25c postpaid.**

NOTE—None of the above collections can be changed in their make-up. Full size packets are used in all cases. Remittances must accompany order. All the above collections will be sent postpaid to United States except Nos. 3 and 4, to which add 20c and 35c respectively for extra postage. Postage to Newfoundland is 15c per lb. or any part of a pound; add 15c extra for postage there on any of above collections except Nos. 3 and 4, to which add 20c and 35c respectively.

BRUCE'S BIG 4 FIELD ROOT SPECIALTIES

THE HEAVIEST YIELDERS, FINEST QUALITY AND BEST IN EXISTENCE.

Bruce's Giant Feeding Sugar Beets—For cut and general description refer to page 31. These grand roots, half sugar beet and half mangel, are the leaders on the market to-day, and to show how they are capturing the trade and growing in favor we give our sales: Introduced by us in 1900, sales, 43 lbs.; 1902, 1,954 lbs.; 1905, 4,327 lbs.; 1907, 9,800 lbs; 1908, 15,122 lbs.; 1909, 21,421 lbs.; 1911, 25,086 lbs. We have two varieties, White and Rose. ¼ lb. 18c, ½ lb. 30c, lb. 50c. Postpaid to Canadian points, ¼ lb. 20c, ½ lb. 34c, 1 lb. 55c.

Bruce's Mammoth Intermediate Smooth White Carrots—See page 31. Not so popular as our other three root specialties, as they require more labor, but should be grown by all stockmen, as they are invaluable for horses. Introduced by us in 1891. Sales then 14 lbs., up to 1,352 lbs. lately. ¼ lb 65c, ½ lb. $1.20, lb. $2.25. Postpaid to Canadian points, ¼ lb. 68c, ½ lb. $1.24, 1 lb. $2.30.

Bruce's Giant Yellow Intermediate Mangel—See page 32. The favorite field root at the present day. Since its introduction in 1891, when we sold 56 lbs. (sales 1900, 6,110 lbs.), up to the present time its popularity has increased by leaps and bounds, and we sold in 1910 19,981 lbs. of this grand mangel. Last year the crop was short and we only had 14,000 lbs., all of which we sold, besides having to cut down many of our wholesale orders. ¼ lb. 18c, ½ lb 30c, lb. 50c. Postpaid to Canadian points, ¼ lb. 20c, ½ lb. 34c, 1 lb. 55c.

Bruce's New Century Swede Turnip—See page 34. It is very gratifying to us to receive so many complimentary letters testifying to the superiority of this fine Swede, and in order to show its wonderful popularity we give our sales since its introduction in 1901, when we sold 16 lbs: 1902, 250 lbs.; 1903, 1,491 lbs.; 1906, 4,351 lbs.; 1907, 6,560 lbs.; 1909, 9,370 lbs. 1910 crop a failure, had only 4,613 lbs., all of which was sold and had to cut down many orders. 1911, a poor demand for all Swedes, 6,798 lbs. The past season, which was not a favorable one for Swedes, showed that it was the only one in many districts that gave a fair crop. Besides its heavy cropping quality it is the handsomest and best in quality of all Swedes. It resists mildew best, it is the best shipping variety, and for cooking purposes cannot be excelled by any other Swede. It is a purple topped variety, resembling Westbury, of splendid uniform growth, and the roots are clean and of handsome shape: In sections where large quantities are grown for the American market the growers and shippers will have no other. ¼ lb. 15c, ½ lb. 20c, lb. 35c, 4 lbs. $1.20. Postpaid to Canadian points, ¼ lb. 18c, ½ lb. 24c, 1 lb. 40c, 4 lbs. $1.40.

Carrot, Sugar Beet, Mangel and Swede Turnip are again very short crops this season, and orders should be placed early. It is doubtful if there will be enough of first two to supply the demand.

The above are our own private stocks, and there is no other just as good. Refuse all substitutes.

The following Catalogues are published during the year and will be mailed Free to Applicants:

No. 1—Illustrated Seed Catalogue, published 1st January, a descriptive list of Agricultural, Vegetable and Flower Seeds, Culinary Roots, Garden Implements, Spring Flowering Bulbs, Plants, etc.

No. 2—Market Gardeners' and Florists' Special Price List, published 1st January.

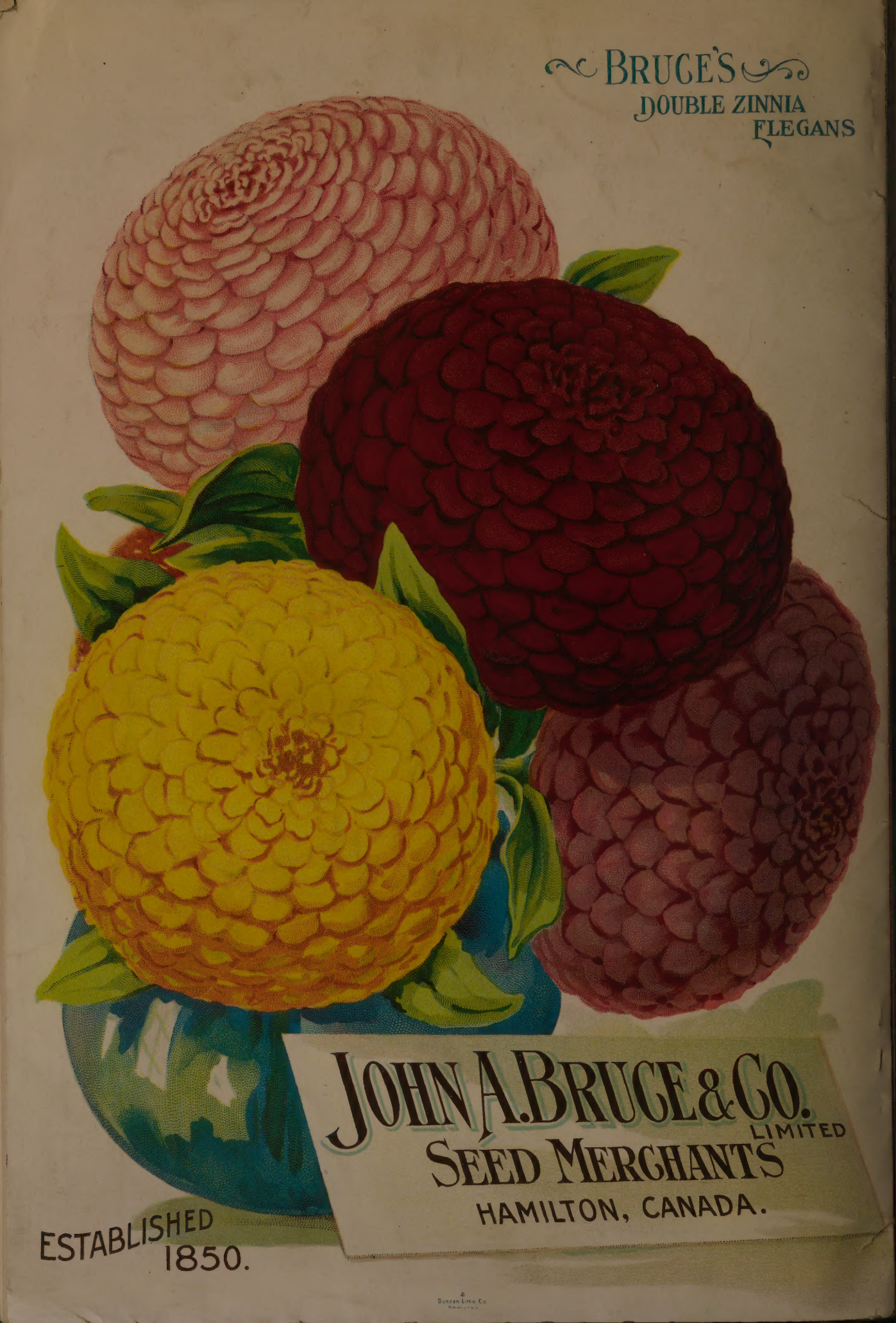
No. 3—Wholesale Catalogue, published 1st January. For Dealers only.

No. 4—Wholesale Bulb Circular, published 15th July. For Dealers and Florists.

No. 5—Annual Fall Wheat Circular, published 15th August

No. 6—Bulb Catalogue, published September 1st, containing a choice collection of Double and Single Hyacinths, Tulips, Polyanthus Narcissus, Crocus, Snowdrops, Crown Imperials, Lilies, etc.

PLANTS AND SEEDS CAREFULLY PACKED FOR ALL CLIMATES.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